GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 4, 2004, 07:12:50 ; Search time 42 Seconds
(without alignments)
65.998 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 117

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 75%
Maximum Match 100%
Listing first 250 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	100.0	10	10	US-09-932-613-11	Sequence 11, Appl
2	26	100.0	10	10	US-09-932-322-11	Sequence 11, Appl
3	26	100.0	10	11	US-09-825-517A-3	Sequence 3, Appli
4	26	100.0	10	11	US-09-825-517A-110	Sequence 110, App
5	26	100.0	10	13	US-10-046-922-33	Sequence 33, Appl
6	26	100.0	10	14	US-10-094-401-133	Sequence 133, App
7	26	100.0	10	15	US-10-396-073-21	Sequence 21, Appl
8	26	100.0	10	15	US-10-462-262-101	Sequence 101, App
9	26	100.0	14	9	US-09-757-908A-21	Sequence 21, Appl
10	26	100.0	14	14	US-10-098-093-30	Sequence 30, Appl
11	26	100.0	14	14	US-10-151-204-21	Sequence 21, Appl
12	26	100.0	15	9	US-09-781-077-4	Sequence 4, Appli
13	26	100.0	16	10	US-09-932-613-4	Sequence 4, Appli
14	26	100.0	16	10	US-09-932-613-18	Sequence 18, Appl
15	26	100.0	16	10	US-09-932-322-4	Sequence 4, Appli
16	26	100.0	16	10	US-09-932-322-18	Sequence 18, Appl
17	26	100.0	16	11	US-09-825-517A-1	Sequence 1, Appli
18	26	100.0	16	11	US-09-825-517A-13	Sequence 13, Appl
19	26	100.0	16	11	US-09-825-517A-111	Sequence 111, App
20	26	100.0	16	12	US-10-602-141-9	Sequence 9, Appli
21	26	100.0	16	14	US-10-094-401-22	Sequence 22, Appl
22	26	100.0	16	14	US-10-094-401-134	Sequence 134, App
23	26	100.0	16	14	US-10-094-401-238	Sequence 238, App
24	26	100.0	16	14	US-10-158-847-157	Sequence 157, App
25	26	100.0	16	14	US-10-158-825-157	Sequence 157, App
26	26	100.0	16	14	US-10-125-869A-12	Sequence 12, Appl
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29	26	100.0	16	15	US-10-462-262-22	Sequence 22, Appl
30	26	100.0	16	15	US-10-462-262-102	Sequence 102, App
31	26	100.0	17	9	US-09-757-908A-19	Sequence 19, Appl
32	26	100.0	18	9	US-09-957-607-45	Sequence 45, Appl
33	26	100.0	19	9	US-09-938-315-35	Sequence 35, Appl
34	26	100.0	19	13	US-10-046-922-80	Sequence 80, Appl
35	26	100.0	19	14	US-10-161-791-35	Sequence 35, Appl
36	26	100.0	20	10	US-09-858-935B-63	Sequence 63, Appl
37	26	100.0	20	12	US-10-271-869-63	Sequence 63, Appl
38	26	100.0	20	14	US-10-094-401-135	Sequence 135, App
39	26	100.0	20	14	US-10-098-093-23	Sequence 23, Appl
40	26	100.0	20	15	US-10-094-749-3381	Sequence 3381, Ap
41	26	100.0	20	15	US-10-462-262-103	Sequence 103, App
42	26	100.0	23	9	US-09-969-192-5	Sequence 5, Appli
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73	26	100.0	39	14	US-10-231-778-123	Sequence 123, App
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95	26	100.0	63	14	US-10-231-778-78	Sequence 78, Appl
96	26	100.0	63	14	US-10-231-778-98	Sequence 98, Appl
97	26	100.0	64	14	US-10-231-778-63	Sequence 63, Appl
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102	26	100.0	64	14	US-10-231-778-108	Sequence 108, App
103	26	100.0	65	14	US-10-231-778-73	Sequence 73, Appl
104	26	100.0	65	14	US-10-231-778-93	Sequence 93, Appl
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108	26	100.0	71	9	US-09-042-488B-1	Sequence 1, Appli
109	26	100.0	71	9	US-09-949-278-1	Sequence 1, Appli
110	26	100.0	71	14	US-10-236-745-1	Sequence 1, Appli
111	26	100.0	71	14	US-10-302-557-33	Sequence 33, Appl
112	26	100.0	71	15	US-10-458-880-1	Sequence 1, Appli
113	26	100.0	95	12	US-10-424-599-247931	Sequence 247931,
114	26	100.0	127	13	US-10-011-859-23	Sequence 23, Appl
115	26	100.0	271	13	US-10-153-273-14	Sequence 14, Appl
116	26	100.0	311	13	US-10-153-273-21	Sequence 21, Appl
117	26	100.0	324	13	US-10-153-273-17	Sequence 17, Appl

ALIGNMENTS

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RESULT 1
US-09-932-613-11
; Sequence 11, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
;  APPLICANT: Human Genome Sciences, Inc.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Rosen, Craig A.
;  TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
;  FILE REFERENCE: Dyx-025.1 PCT; DYX-025.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,613
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: BLyS binding polypeptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Glu o
;   OTHER INFORMATION: r Pro);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-613-11

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  Best Local Similarity  100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 CXXXXXXXXC 10


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; Sequence 11, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
;  APPLICANT: Dyax Corp.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Ladner, Robert Charles
;  TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLyS
;  FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,322
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: BLyS binding polypeptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Gl
;   OTHER INFORMATION: r Pro);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-322-11

  Query Match           100.0%;  Score 26;  DB 10;  Length 10;
  Best Local Similarity  100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 CXXXXXXXXC 10


RESULT 3
US-09-825-517A-3
; Sequence 3, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Issac J
;  APPLICANT:  Ladner, Robert C
;  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
;  TITLE OF INVENTION:  ANTIGEN (CEA)
;  FILE REFERENCE: DYX-016.1 (3421.1005-001)
;  CURRENT APPLICATION NUMBER: US/09/825,517A
;  CURRENT FILING DATE:  2003-03-24
;  PRIOR APPLICATION NUMBER: US 09/541,345
;  PRIOR FILING DATE: 2000-04-03
;  NUMBER OF SEQ ID NOS: 151
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: CEA binding loop
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: Xaa is Asn, Glu or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 4
;   OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is Gln, Gly or Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Ala, Trp or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val
US-09-825-517A-3

  Query Match             100.0%;  Score 26;  DB 11;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
                ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 4
US-09-825-517A-110
; Sequence 110, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Issac J
;  APPLICANT:  Ladner, Robert C
;  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
;  TITLE OF INVENTION:  ANTIGEN (CEA)
;  FILE REFERENCE: DYX-016.1 (3421.1005-001)
;  CURRENT APPLICATION NUMBER: US/09/825,517A
;  CURRENT FILING DATE:  2003-03-24
;  PRIOR APPLICATION NUMBER: US 09/541,345
;  PRIOR FILING DATE: 2000-04-03
;  NUMBER OF SEQ ID NOS: 151
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 110
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic 16-mer microprotein analogue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: X is Asn, Glu, Asp or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile or Asn
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 4
;   OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, Asn, Ser,
;   OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln
;   OTHER INFORMATION: or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
;   OTHER INFORMATION: Trp, His, Arg, Met, Val or Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: X is Gln, Lys, Leu or Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: X is Tyr, Trp or Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
;   OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu
US-09-825-517A-110

  Query Match             100.0%;  Score 26;  DB 11;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 CXXXXXXXXC 10


RESULT 5
US-10-046-922-33
; Sequence 33, Application US/10046922
; Publication No. US20020164667A1
; GENERAL INFORMATION:
;  APPLICANT: Alitalo, Kari
;  APPLICANT:  Koivunen, Erkki
;  APPLICANT:  Kubo, Hajime
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;  TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
;  FILE REFERENCE: 28967/37084A
;  CURRENT APPLICATION NUMBER: US/10/046,922
;  CURRENT FILING DATE:  2002-01-15
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
;    LENGTH: 10
;    TYPE: PRT
;    ORGANISM: isolated peptide
;    FEATURE:
;    NAME/KEY: SITE
;    LOCATION: (2)..(2)
;    OTHER INFORMATION: X is glycine or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (3)..(3)
;    OTHER INFORMATION: X  is tyrosine or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (4)..(4)
;    OTHER INFORMATION: X  is tryptophan or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (5)..(5)
;    OTHER INFORMATION: X  is leucine or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (6)..(6)
;    OTHER INFORMATION: X  is threonine or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (7)..(7)
;    OTHER INFORMATION: X  is isoleucine or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (8)..(8)
;    OTHER INFORMATION: X  is tryptophan or a conservative substitution
;    NAME/KEY: SITE
;    LOCATION: (9)..(9)
;    OTHER INFORMATION: X  is glycine or a conservative substitution
US-10-046-922-33

  Query Match             100.0%;  Score 26;  DB 13;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 6
US-10-094-401-133
; Sequence 133, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
;  APPLICANT: DYAX CORP.
;  APPLICANT:  Sato, Aaron  K.
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Cohen, Edward  H.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
;  FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
;  CURRENT APPLICATION NUMBER: US/10/094,401
;  CURRENT FILING DATE:  2002-03-08
;  PRIOR APPLICATION NUMBER: 60/331,352
;  PRIOR FILING DATE: 2001-03-09
;  PRIOR APPLICATION NUMBER: 60/292,975
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 271
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 133
;    LENGTH: 10
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: albumin binding peptide
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (2)..(2)
;    OTHER INFORMATION: Gln, Glu, Phe, or Met
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (3)..(3)
;    OTHER INFORMATION: Asp, Pro, or Thr
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (4)..(4)
;    OTHER INFORMATION: Ile, Ser, or Trp
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (5)..(5)
;    OTHER INFORMATION: His, Met, Phe or Pro
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (6)..(6)
;    OTHER INFORMATION: Asn, Leu, or Thr
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (7)..(7)
;    OTHER INFORMATION: Arg, Asn, His, or Thr
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (8)..(8)
;    OTHER INFORMATION: Arg, Met, Phe, or Tyr
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (9)..(9)
;    OTHER INFORMATION: Asp, Gly, Phe, or Trp
US-10-094-401-133

  Query Match             100.0%;  Score 26;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 7
US-10-396-073-21
; Sequence 21, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
;  APPLICANT: Wescott, Charles R.
;  APPLICANT:  Sato, Aaron K.
;  TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
;  FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
;  CURRENT APPLICATION NUMBER: US/10/396,073
;  CURRENT FILING DATE:  2003-03-25
;  PRIOR APPLICATION NUMBER: US 60/367,645
;  PRIOR FILING DATE: 2002-03-26
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
;    LENGTH: 10
;    TYPE: PRT
;    ORGANISM: artificial
;    FEATURE:
;    OTHER INFORMATION: fibrinogen binding polypeptide
;    FEATURE:
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (2)..(2)
;    OTHER INFORMATION: X2 is Asn, Met, or Ser
;    FEATURE:
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (3)..(3)
;    OTHER INFORMATION: X3 is Ala or Ser
;    FEATURE:
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (4)..(4)
;    OTHER INFORMATION: X4 is Arg, Asn, or Tyr
;    FEATURE:
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (5)..(5)
;    OTHER INFORMATION: X5 is Pro, Thr, or Trp
;    FEATURE:
;    NAME/KEY: MISC_FEATURE
;    LOCATION: (6)..(6)
```

```
;   OTHER INFORMATION: X6 is Ile, Met, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Ala, His, or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Leu, Pro, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Trp or Tyr
US-10-396-073-21

  Query Match             100.0%;  Score 26;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 8
US-10-462-262-101
; Sequence 101, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Dawson, Bruce M.
;  TITLE OF INVENTION: PROTEIN ANALYSIS
;  FILE REFERENCE: 10280-052001
;  CURRENT APPLICATION NUMBER: US/10/462,262
;  CURRENT FILING DATE:  2003-06-16
;  PRIOR APPLICATION NUMBER: US 60/388,642
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 430
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: example of serum albumin-binding agents
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa = Asp, Pro, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 4
;   OTHER INFORMATION: Xaa = Ile, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa = His, Met, Phe or Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: Xaa = Asn, Leu, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(0)
;   OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(0)
;   OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(0)
;   OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
US-10-462-262-101

  Query Match             100.0%;  Score 26;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 9
US-09-757-908A-21
; Sequence 21, Application US/09757908A
; Patent No. US20020052468A1
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell
;  TITLE OF INVENTION: Disulfide Core Polypeptides
;  FILE REFERENCE: 98-13D1
;  CURRENT APPLICATION NUMBER: US/09/757,908A
;  CURRENT FILING DATE:  2001-01-10
;  PRIOR APPLICATION NUMBER: US 09/326,039
;  PRIOR FILING DATE: 1999-06-04
;  PRIOR APPLICATION NUMBER: US 60/088,136
;  PRIOR FILING DATE: 1998-06-04
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 21
;   LENGTH: 14
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (0)...(0)
;   OTHER INFORMATION: Xaa is any amino acid residue except for cysteine
US-09-757-908A-21

  Query Match             100.0%;  Score 26;  DB 9;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 0.39;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 10
US-10-098-093-30
; Sequence 30, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
;  APPLICANT: Deshayes, Kurt D.
;  APPLICANT:  Lowman, Henry B.
;  APPLICANT:  Schaffer, Michelle L.
;  APPLICANT:  Sidhu, Sachdev S.
;  TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
;  FILE REFERENCE: P1863R1
;  CURRENT APPLICATION NUMBER: US/10/098,093
;  CURRENT FILING DATE:  2002-03-13
;  PRIOR APPLICATION NUMBER: US 60/275,904
;  PRIOR FILING DATE: 2001-03-14
;  NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 30
;   LENGTH: 14
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   NAME/KEY: Xaa
```

```
;   LOCATION: 1-2, 4-11, 13-14
;   OTHER INFORMATION: Unknown amino acid
US-10-098-093-30

  Query Match             100.0%;  Score 26;  DB 14;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 0.39;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 11
US-10-151-204-21
; Sequence 21, Application US/10151204
; Publication No. US20030148263A1
; GENERAL INFORMATION:
;  APPLICANT: Larocca, David
;  APPLICANT:  Kassner, Paul
;  APPLICANT:  Baird, Andrew
;  APPLICANT:  Burg, Michael Alan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS USING
;  TITLE OF INVENTION:  GENETIC PACKAGE DISPLAY
;  FILE REFERENCE: 760100.430C5
;  CURRENT APPLICATION NUMBER: US/10/151,204
;  CURRENT FILING DATE:  2002-05-17
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
;   LENGTH: 14
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: random peptides
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2, 3, 4, 5, 6, 7, 8, 9
;   OTHER INFORMATION: Xaa = Any Amino Acid
US-10-151-204-21

  Query Match             100.0%;  Score 26;  DB 14;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 0.39;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 12
US-09-781-077-4
; Sequence 4, Application US/09781077
; Patent No. US20020012967A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  APPLICANT:  Lok, Si
;  APPLICANT:  Jaspers, Stephen R.
;  TITLE OF INVENTION: Insulin Homolog Polypeptide Zins4
;  FILE REFERENCE: 00-18
;  CURRENT APPLICATION NUMBER: US/09/781,077
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: 60/188,544
;  PRIOR FILING DATE: 2000-03-10
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 15
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(5)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: except cysteine.
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(14)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: except cysteine.
US-09-781-077-4

  Query Match             100.0%;  Score 26;  DB 9;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 13
US-09-932-613-4
; Sequence 4, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
;  APPLICANT: Human Genome Sciences, Inc.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Rosen, Craig A.
;  TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
;  FILE REFERENCE: Dyx-025.1 PCT; DYX-025.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,613
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: BLyS binding polypeptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: X1 is Asn, Asp, His, Leu, Phe, Pro, Ser, Tyr, or is absent (pr
;   OTHER INFORMATION: rably Ser);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Arg, Asn, Asp, His, Phe, Ser, or Trp (preferably Arg);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is Asn, Asp, Leu, Pro, Ser, or Val (preferably Asn or Asp);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Asp, His, Leu, or Ser (preferably Asp);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Gl
;   OTHER INFORMATION: r Pro);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Ala, Arg, Asn, or Leu (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: X10 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: X11 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
;   NAME/KEY: MISC_FEATURE
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;   LOCATION: (12)..(12)
;   OTHER INFORMATION: X12 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: X14 is Asp, Gly, Leu, Phe, Tyr, or Val (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(15)
;   OTHER INFORMATION: X15 is Asn, His, Leu, Pro, or Tyr (preferably His, Leu or Pro);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: X16 is Asn, Asp, His, Phe, Ser, or Tyr,  (preferably Asp or Ser),
US-09-932-613-4

  Query Match             100.0%;  Score 26;  DB 10;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 14
US-09-932-613-18
; Sequence 18, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
;  APPLICANT: Human Genome Sciences, Inc.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Rosen, Craig A.
;  TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
;  FILE REFERENCE: Dyx-025.1 PCT; DYX-025.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,613
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: phage display library template
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(3)
;   OTHER INFORMATION: X is any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X is any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(16)
;   OTHER INFORMATION: X is any amino acid except Cys
US-09-932-613-18

  Query Match             100.0%;  Score 26;  DB 10;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 15
US-09-932-322-4
; Sequence 4, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
;  APPLICANT: Dyax Corp.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Ladner, Robert Charles
;  TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLy
;  FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,322
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: BLyS binding polypeptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: X1 is Asn, Asp, His, Leu, Phe, Pro, Ser, Tyr, or is absent (p
;   OTHER INFORMATION: rably Ser);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Arg, Asn, Asp, His, Phe, Ser, or Trp (preferably Arg);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is Asn, Asp, Leu, Pro, Ser, or Val (preferably Asn or Asp)
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Asp, His, Leu, or Ser (preferably Asp);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably G
;   OTHER INFORMATION: r Pro);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Ala, Arg, Asn, or Leu (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: X10 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: X11 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (12)..(12)
;   OTHER INFORMATION: X12 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: X14 is Asp, Gly, Leu, Phe, Tyr, or Val (preferably Leu);
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(15)
;   OTHER INFORMATION: X15 is Asn, His, Leu, Pro, or Tyr (preferably His, Leu or Pro
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: X16 is Asn, Asp, His, Phe, Ser, or Tyr,  (preferably Asp or S
US-09-932-322-4

  Query Match             100.0%;  Score 26;  DB 10;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 16
US-09-932-322-18
; Sequence 18, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: Dyax Corp.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Ladner, Robert Charles
;  TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLyS)
;  FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,322
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: phage display library template
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(3)
;   OTHER INFORMATION: X is any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X is any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(16)
;   OTHER INFORMATION: X is any amino acid except Cys
US-09-932-322-18

  Query Match             100.0%;  Score 26;  DB 10;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 17
US-09-825-517A-1
; Sequence 1, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Issac J
;  APPLICANT:  Ladner, Robert C
;  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
;  TITLE OF INVENTION:  ANTIGEN (CEA)
;  FILE REFERENCE: DYX-016.1 (3421.1005-001)
;  CURRENT APPLICATION NUMBER: US/09/825,517A
;  CURRENT FILING DATE:  2003-03-24
;  PRIOR APPLICATION NUMBER: US 09/541,345
;  PRIOR FILING DATE: 2000-04-03
;  NUMBER OF SEQ ID NOS: 151
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: CEA binding polypeptide
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1
;   OTHER INFORMATION: Xaa is Asn, Asp or is absent
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: Xaa is Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa is Asp, Phe or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa is Asn, Glu or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(10)
;   OTHER INFORMATION: Xaa is Gln, Leu or Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Xaa is Ala, Trp or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: Xaa is Asn, Gln, Phe, Ser or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: Xaa is Arg, Leu, Pro or Ser
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: Xaa is Leu, Ser, Trp or Tyr
US-09-825-517A-1

  Query Match             100.0%;  Score 26;  DB 11;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 18
US-09-825-517A-13
; Sequence 13, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Issac J
;  APPLICANT:  Ladner, Robert C
;  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
;  TITLE OF INVENTION:  ANTIGEN (CEA)
;  FILE REFERENCE: DYX-016.1 (3421.1005-001)
;  CURRENT APPLICATION NUMBER: US/09/825,517A
;  CURRENT FILING DATE:  2003-03-24
;  PRIOR APPLICATION NUMBER: US 09/541,345
;  PRIOR FILING DATE: 2000-04-03
;  NUMBER OF SEQ ID NOS: 151
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Parental domain for design of microprotein display
;   OTHER INFORMATION: library
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(16)
;   OTHER INFORMATION: amino acid positions 4 and 13 are invariant Cys;
;   OTHER INFORMATION: all other positions Xaa are varied but not Cys, to
;   OTHER INFORMATION: provide a library of 2.5x10(8) different peptides
;   OTHER INFORMATION: based on the template sequence
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
;   OTHER INFORMATION: Xaa = Any Amino Acid except Cys
US-09-825-517A-13

  Query Match             100.0%;  Score 26;  DB 11;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 19
US-09-825-517A-111
; Sequence 111, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Issac J
;  APPLICANT:  Ladner, Robert C
;  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
;  TITLE OF INVENTION:  ANTIGEN (CEA)
;  FILE REFERENCE: DYX-016.1 (3421.1005-001)
;  CURRENT APPLICATION NUMBER: US/09/825,517A
;  CURRENT FILING DATE:  2003-03-24
;  PRIOR APPLICATION NUMBER: US 09/541,345
;  PRIOR FILING DATE: 2000-04-03
;  NUMBER OF SEQ ID NOS: 151
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 111
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic 16-mer microprotein analogue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1
;   OTHER INFORMATION: X is Asp, Asn, Ala or Ile
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: X is Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: X is Val, Ile, Met, Tyr, Phe, Pro or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: X is Asn, Glu, Asp or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile, or Asn
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, ASn, Ser,
;   OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln,
;   OTHER INFORMATION: or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
;   OTHER INFORMATION: Trp, His, Arg, Met, Val, or Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(10)
;   OTHER INFORMATION: X is Gln, Lys, Leu or Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: X is Trp, Tyr or Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
;   OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: X is Asn, Asp, Glu, Pro, Gln, Ser, Phe, or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: X is Val, Leu, Ile, Pro, Ala, Gln, Ser, Met, Glu,
;   OTHER INFORMATION: Thr, Lys, Trp or Arg
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: X is Leu, Met, Val, Tyr, Ala, Ile, Trp, His, Pro,
;   OTHER INFORMATION: Gln, Glu, Phe, Lys, Arg or Ser
US-09-825-517A-111

  Query Match             100.0%;  Score 26;  DB 11;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 20
US-10-602-141-9
; Sequence 9, Application US/10602141
; Publication No. US20040071705A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Edge, Albert
;  TITLE OF INVENTION: SERUM PROTEIN-ASSOCIATED TARGET-SPECIFIC
;  TITLE OF INVENTION:  LIGANDS AND IDENTIFICATION METHOD THEREFOR
;  FILE REFERENCE: 10280-058001
;  CURRENT APPLICATION NUMBER: US/10/602,141
;  CURRENT FILING DATE:  2003-06-23
;  PRIOR APPLICATION NUMBER: US 60/390,657
;  PRIOR FILING DATE: 2002-06-21
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: template sequence
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1-3, 5-12, 14-16
;   OTHER INFORMATION: Xaa = any amino acid except cysteine (Cys)
```

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US-10-602-141-9

  Query Match             100.0%;  Score 26;  DB 12;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 21
US-10-094-401-22
; Sequence 22, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
;  APPLICANT: DYAX CORP.
;  APPLICANT:  Sato, Aaron  K.
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Cohen, Edward  H.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
;  FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
;  CURRENT APPLICATION NUMBER: US/10/094,401
;  CURRENT FILING DATE:  2002-03-08
;  PRIOR APPLICATION NUMBER: 60/331,352
;  PRIOR FILING DATE: 2001-03-09
;  PRIOR APPLICATION NUMBER: 60/292,975
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 271
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: variegated display library template
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(2)
;   OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, and Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Pro, Arg, Ser, Val, Trp,
;   OTHER INFORMATION: and Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Pro, Arg, Ser, Val, Trp,
;   OTHER INFORMATION: and Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, and Tyr
US-10-094-401-22

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 22
US-10-094-401-134
; Sequence 134, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
;  APPLICANT: DYAX CORP.
;  APPLICANT:  Sato, Aaron  K.
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Cohen, Edward  H.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
;  FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
;  CURRENT APPLICATION NUMBER: US/10/094,401
;  CURRENT FILING DATE:  2002-03-08
;  PRIOR APPLICATION NUMBER: 60/331,352
;  PRIOR FILING DATE: 2001-03-09
;  PRIOR APPLICATION NUMBER: 60/292,975
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 271
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 134
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: albumin binding peptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: Arg, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: Arg, Leu, Ser, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: Asn, Asp, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: Gln, Glu, Phe, or Met
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: Asp, Pro, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: Ile, Ser, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: His, Met, Phe or Pro
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: Asn, Leu, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: Arg, Asn, His, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: Arg, Met, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (12)..(12)
;   OTHER INFORMATION: Asp, Gly, Phe, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: Ala, Asn, or Asp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(15)
;   OTHER INFORMATION: Arg, Phe, Pro, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: Arg, His, Phe, or Ser
US-10-094-401-134

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 23
US-10-094-401-238
; Sequence 238, Application US/10094401
; Publication No. US20030069395A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: DYAX CORP.
;  APPLICANT:  Sato, Aaron  K.
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Cohen, Edward  H.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
;  FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
;  CURRENT APPLICATION NUMBER: US/10/094,401
;  CURRENT FILING DATE:  2002-03-08
;  PRIOR APPLICATION NUMBER: 60/331,352
;  PRIOR FILING DATE: 2001-03-09
;  PRIOR APPLICATION NUMBER: 60/292,975
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 271
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 238
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: variegated display library template
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(2)
;   OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: Ala, Asp, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Val, Trp,
;   OTHER INFORMATION: or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: any amino acid except Cys
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: Ala, Asp, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Val, Trp,
;   OTHER INFORMATION: or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, or Tyr
US-10-094-401-238

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 24
US-10-158-847-157
; Sequence 157, Application US/10158847
; Publication No. US20030091557A1
; GENERAL INFORMATION:
;  APPLICANT: Tom Parry et al.
;  TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
;  FILE REFERENCE: PF557
;  CURRENT APPLICATION NUMBER: US/10/158,847
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: 60/295,004
;  PRIOR FILING DATE: 2001-06-04
;  NUMBER OF SEQ ID NOS: 158
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: homo sapiens
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(3)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(16)
;   OTHER INFORMATION: X equals any amino acid
US-10-158-847-157

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 25
US-10-158-825-157
; Sequence 157, Application US/10158825
; Publication No. US20030138894A1
; GENERAL INFORMATION:
;  APPLICANT: Tom Parry et al.
;  TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
;  FILE REFERENCE: PF555
;  CURRENT APPLICATION NUMBER: US/10/158,825
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: 60/294,976
;  PRIOR FILING DATE: 2001-06-04
;  NUMBER OF SEQ ID NOS: 158
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: homo sapiens
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(3)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(16)
;   OTHER INFORMATION: X equals any amino acid
US-10-158-825-157

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 26
US-10-125-869A-12
; Sequence 12, Application US/10125869A
; Publication No. US20030199671A1
; GENERAL INFORMATION:
;  APPLICANT: Rondon, Isaac Jesus
;  APPLICANT:  Wu, Qi-Long
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Stochl, Mark
;  APPLICANT:  Ransohoff, Thomas C.
;  APPLICANT:  Potter, M. Daniel (deceased)
;  TITLE OF INVENTION: BINDING MOLECULES FOR Fc-REGION
;  TITLE OF INVENTION:  POLYPEPTIDES
;  FILE REFERENCE: 3421.1006-001
;  CURRENT APPLICATION NUMBER: US/10/125,869A
```

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;  CURRENT FILING DATE:  2002-11-19
;  PRIOR APPLICATION NUMBER: 60/284,534
;  PRIOR FILING DATE: 2001-04-18
;  NUMBER OF SEQ ID NOS: 200
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: variegation template for phage display library
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
;   OTHER INFORMATION: Xaa = Any Amino Acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
;   OTHER INFORMATION: Xaa = Any Amino Acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
;   OTHER INFORMATION: Xaa = Any Amino Acid
US-10-125-869A-12

  Query Match             100.0%;  Score 26;  DB 14;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13

RESULT 27
US-10-396-073-20
; Sequence 20, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
;  APPLICANT: Wescott, Charles R.
;  APPLICANT:  Sato, Aaron K.
;  TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
;  FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
;  CURRENT APPLICATION NUMBER: US/10/396,073
;  CURRENT FILING DATE:  2003-03-25
;  PRIOR APPLICATION NUMBER: US 60/367,645
;  PRIOR FILING DATE: 2002-03-26
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: fibrinogen binding polypeptide
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: X1 is His, Leu, or Phe
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Asp, Trp, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is Leu or Tyr, preferably Leu
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Asn, Met, or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is Ala or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Arg, Asn, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Pro, Thr, or Trp
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Ile, Met, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: X10 is Ala, His, or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: X11 is Leu, Pro, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (12)..(12)
;   OTHER INFORMATION: X12 is Trp or Tyr, preferably Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: X14 is Asn, His, or Val
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(15)
;   OTHER INFORMATION: X15 is Asp, Phe, or Pro
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: X16 is Asn, Phe, or Ser
US-10-396-073-20

  Query Match             100.0%;  Score 26;  DB 15;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13

RESULT 28
US-10-396-073-31
; Sequence 31, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
;  APPLICANT: Wescott, Charles R.
;  APPLICANT:  Sato, Aaron K.
;  TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
;  FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
;  CURRENT APPLICATION NUMBER: US/10/396,073
;  CURRENT FILING DATE:  2003-03-25
;  PRIOR APPLICATION NUMBER: US 60/367,645
;  PRIOR FILING DATE: 2002-03-26
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: 10-member cyclic peptide display template
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(2)
```

```
;   OTHER INFORMATION: X1 and X2 are D, F, H, L, N, P, R, S, W, or Y
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is A, D, F, G, H, L, N, P, Q, R, S, V, W, or Y
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X5, X6, X7, X8, X9, X10, X11 and X12 are any amino acid except
;   OTHER INFORMATION: Cys
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: X14 is A, D, F, G, H, L, N, P, Q, R, S, V, W, or Y
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: X15 and X16 are D, F, H, L, N, P, R, S, W, or Y
US-10-396-073-31

  Query Match             100.0%;  Score 26;  DB 15;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 29
US-10-462-262-22
; Sequence 22, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Dawson, Bruce M.
;  TITLE OF INVENTION: PROTEIN ANALYSIS
;  FILE REFERENCE: 10280-052001
;  CURRENT APPLICATION NUMBER: US/10/462,262
;  CURRENT FILING DATE:  2003-06-16
;  PRIOR APPLICATION NUMBER: US 60/388,642
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 430
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: template sequence
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1, 2, 15, 16
;   OTHER INFORMATION: Xaa = Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp,
;   OTHER INFORMATION: and Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3, 14
;   OTHER INFORMATION: Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Pro,
;   OTHER INFORMATION: Arg, Ser, Val, Trp, and Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5-12
;   OTHER INFORMATION: Xaa = any common alfa-amino acids, except cysteine
US-10-462-262-22

  Query Match             100.0%;  Score 26;  DB 15;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 30
US-10-462-262-102
; Sequence 102, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Dawson, Bruce M.
;  TITLE OF INVENTION: PROTEIN ANALYSIS
;  FILE REFERENCE: 10280-052001
;  CURRENT APPLICATION NUMBER: US/10/462,262
;  CURRENT FILING DATE:  2003-06-16
;  PRIOR APPLICATION NUMBER: US 60/388,642
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 430
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 102
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: example of serum albumin-binding agents
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1
;   OTHER INFORMATION: Xaa = Arg, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: Xaa = Arg, Leu, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa = Asn, Asp, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: Xaa = Asp, Pro, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(0)
;   OTHER INFORMATION: Xaa = Ile, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(0)
;   OTHER INFORMATION: Xaa = His, Met, Phe or Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(0)
;   OTHER INFORMATION: Xaa = Asn, Leu, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(0)
;   OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(0)
;   OTHER INFORMATION: Xaa = Arg, Met, Phe or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(0)
;   OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(0)
;   OTHER INFORMATION: Xaa = Ala, Asn, or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
```

```
;   LOCATION: (15)...(0)
;   OTHER INFORMATION: Xaa = Arg, Phe, Pro, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(0)
;   OTHER INFORMATION: Xaa = Arg, His, Phe, or Ser
US-10-462-262-102

  Query Match             100.0%;  Score 26;  DB 15;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 0.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 31
US-09-757-908A-19
; Sequence 19, Application US/09757908A
; Patent No. US20020052468A1
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell
;  TITLE OF INVENTION: Disulfide Core Polypeptides
;  FILE REFERENCE: 98-13D1
;  CURRENT APPLICATION NUMBER: US/09/757,908A
;  CURRENT FILING DATE:  2001-01-10
;  PRIOR APPLICATION NUMBER: US 09/326,039
;  PRIOR FILING DATE: 1999-06-04
;  PRIOR APPLICATION NUMBER: US 60/088,136
;  PRIOR FILING DATE: 1998-06-04
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
;   LENGTH: 17
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (0)...(0)
;   OTHER INFORMATION: Xaa is any amino acid residue except for cysteine
US-09-757-908A-19

  Query Match             100.0%;  Score 26;  DB 9;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 0.41;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          8 CXXXXXXXXC 17


RESULT 32
US-09-957-607-45
; Sequence 45, Application US/09957607
; Patent No. US20020076728A1
; GENERAL INFORMATION:
;  APPLICANT: Maclennan, John M.
;  APPLICANT:  Ladner, Robert C.
;  TITLE OF INVENTION: Engineering Affinity Ligands for Macromolecules
;  FILE REFERENCE: DYX-001.1 US-1
;  CURRENT APPLICATION NUMBER: US/09/957,607
;  CURRENT FILING DATE:  2001-09-19
;  PRIOR APPLICATION NUMBER: 08/821,498
;  PRIOR FILING DATE: 1997-03-21
;  PRIOR APPLICATION NUMBER: 08/619,885
;  PRIOR FILING DATE: 1996-03-20
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
;   LENGTH: 18
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: amino acid sequence of TN10/V library
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X is A,D,G,H,L,P,R, or V
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: X is A,D,G,H,L,P,R, or V
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X is A,E,G,L,P,Q,R, or V
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(12)
;   OTHER INFORMATION: X is A,E,G,L,P,Q,R, or V
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: X is F,I,K,L,M,N or Y
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (13)..(13)
;   OTHER INFORMATION: X is I,K,M,N,R,S, or T
US-09-957-607-45

  Query Match             100.0%;  Score 26;  DB 9;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 0.42;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 33
US-09-938-315-35
; Sequence 35, Application US/09938315
; Patent No. US20020091085A1
;   GENERAL INFORMATION:
;        APPLICANT: KAY, BRIAN K.
;                   SPARKS, ANDREW B.
;                   THORN, JUDITH M.
;                   QUILLIAM, LAWRENCE A.
;                   DER, CHANNING J.
;        TITLE OF INVENTION: Src SH3 BINDING PEPTIDES AND METHODS OF
;                            ISOLATING AND USING SAME
;        NUMBER OF SEQUENCES: 106
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. Jefferson Davis Highway, Suite 400
;             CITY: Arlington
;             STATE: Virginia
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/938,315
;             FILING DATE: 23-Aug-2001
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Villacorta, Gilberto M.
;             REGISTRATION NUMBER: 34,038
```

```
;            REFERENCE/DOCKET NUMBER: 4980-007-0
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (703) 413-3000
;            TELEFAX: (703) 413-2220
;            TELEX: 248855 OPAT UR
;   INFORMATION FOR SEQ ID NO: 35:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 19 amino acids
;            TYPE: amino acid
;            TOPOLOGY: unknown
;       MOLECULE TYPE: protein
;       FRAGMENT TYPE: N-terminal
;       SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-938-315-35

  Query Match             100.0%;  Score 26;  DB 9;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 0.42;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 34
US-10-046-922-80
; Sequence 80, Application US/10046922
; Publication No. US20020164667A1
; GENERAL INFORMATION:
;  APPLICANT: Alitalo, Kari
;  APPLICANT:  Koivunen, Erkki
;  APPLICANT:  Kubo, Hajime
;  TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
;  FILE REFERENCE: 28967/37084A
;  CURRENT APPLICATION NUMBER: US/10/046,922
;  CURRENT FILING DATE:  2002-01-15
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 80
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: peptide
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: X is any amino acid
;   NAME/KEY: SITE
;   LOCATION: (11)..(18)
;   OTHER INFORMATION: X is any amino acid
US-10-046-922-80

  Query Match             100.0%;  Score 26;  DB 13;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 0.42;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         10 CXXXXXXXXC 19


RESULT 35
US-10-161-791-35
; Sequence 35, Application US/10161791
; Publication No. US20030186863A1
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/10/161,791
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,999
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-10-161-791-35

  Query Match             100.0%;  Score 26;  DB 14;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 0.42;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 36
US-09-858-935B-63
; Sequence 63, Application US/09858935B
; Publication No. US20030069177A1
; GENERAL INFORMATION:
;  APPLICANT: Dubaquie, Yves
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Lowman, Henry B.
;  TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
;  FILE REFERENCE: P1794R1
;  CURRENT APPLICATION NUMBER: US/09/858,935B
;  CURRENT FILING DATE:  2002-07-02
;  PRIOR APPLICATION NUMBER: US 60/248,985
;  PRIOR FILING DATE: 2000-11-15
;  PRIOR APPLICATION NUMBER: US 60/204,490
;  PRIOR FILING DATE: 2000-05-16
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   FEATURE:
;   NAME/KEY: Xaa
;   LOCATION: 1-5, 7-14, 16-20
```

```
;   OTHER INFORMATION: Unknown amino acid
US-09-858-935B-63

  Query Match             100.0%;  Score 26;  DB 10;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 37
US-10-271-869-63
; Sequence 63, Application US/10271869
; Publication No. US20030211992A1
; GENERAL INFORMATION:
;  APPLICANT: Dubaquie, Yves
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Lowman, Henry B.
;  TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
;  FILE REFERENCE: P1794R1
;  CURRENT APPLICATION NUMBER: US/10/271,869
;  CURRENT FILING DATE:  2002-10-16
;  PRIOR APPLICATION NUMBER: US/09/858,935
;  PRIOR FILING DATE: 2002-07-02
;  PRIOR APPLICATION NUMBER: US 60/248,985
;  PRIOR FILING DATE: 2000-11-15
;  PRIOR APPLICATION NUMBER: US 60/204,490
;  PRIOR FILING DATE: 2000-05-16
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   FEATURE:
;   NAME/KEY: Xaa
;   LOCATION: 1-5, 7-14, 16-20
;   OTHER INFORMATION: Unknown amino acid
US-10-271-869-63

  Query Match             100.0%;  Score 26;  DB 12;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 38
US-10-094-401-135
; Sequence 135, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
;  APPLICANT: DYAX CORP.
;  APPLICANT:  Sato, Aaron  K.
;  APPLICANT:  Ley, Arthur C.
;  APPLICANT:  Cohen, Edward  H.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
;  FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
;  CURRENT APPLICATION NUMBER: US/10/094,401
;  CURRENT FILING DATE:  2002-03-08
;  PRIOR APPLICATION NUMBER: 60/331,352
;  PRIOR FILING DATE: 2001-03-09
;  PRIOR APPLICATION NUMBER: 60/292,975
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 271
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 135
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: albumin binding peptide
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: Arg, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: Arg, Leu, Ser, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: Asn, Asp, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: Gln, Glu, Phe, or Met
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: Asp, Pro, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: Ile, Ser, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: His, Met, Phe or Pro
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: Asn, Leu, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (12)..(12)
;   OTHER INFORMATION: Arg, Asn, His, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (13)..(13)
;   OTHER INFORMATION: Arg, Met, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: Asp, Gly, Phe, or Trp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: Ala, Asn, or Asp
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (17)..(17)
;   OTHER INFORMATION: Arg, Phe, Pro, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: Arg, His, Phe, or Ser
US-10-094-401-135

  Query Match             100.0%;  Score 26;  DB 14;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 39
US-10-098-093-23
; Sequence 23, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
;  APPLICANT: Deshayes, Kurt D.
;  APPLICANT:  Lowman, Henry B.
;  APPLICANT:  Schaffer, Michelle L.
;  APPLICANT:  Sidhu, Sachdev S.
;  TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
;  FILE REFERENCE: P1863R1
;  CURRENT APPLICATION NUMBER: US/10/098,093
;  CURRENT FILING DATE:  2002-03-13
;  PRIOR APPLICATION NUMBER: US 60/275,904
;  PRIOR FILING DATE: 2001-03-14
;  NUMBER OF SEQ ID NOS: 122
```

```
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   NAME/KEY: Xaa
;   LOCATION: 1-5, 7-14, 16-20
;   OTHER INFORMATION: Unknown amino acid
US-10-098-093-23

  Query Match             100.0%;  Score 26;  DB 14;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 40
US-10-094-749-3381
; Sequence 3381, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
;  APPLICANT: ISOGAI, TAKAO
;  APPLICANT:  SUGIYAMA, TOMOYASU
;  APPLICANT:  OTSUKI, TETSUJI
;  APPLICANT:  WAKAMATSU, AI
;  APPLICANT:  SATO, HIROYUKI
;  APPLICANT:  ISHII, SHIZUKO
;  APPLICANT:  YAMAMOTO, JUN-ICHI
;  APPLICANT:  ISONO, YUUKO
;  APPLICANT:  HIO, YURI
;  APPLICANT:  OTSUKA, KAORU
;  APPLICANT:  NAGAI, KEIICHI
;  APPLICANT:  IRIE, RYOTARO
;  APPLICANT:  TAMECHIKA, ICHIRO
;  APPLICANT:  SEKI, NAOHIKO
;  APPLICANT:  YOSHIKAWA, TSUTOMU
;  APPLICANT:  OTSUKA, MOTOYUKI
;  APPLICANT:  NAGAHARI, KENJI
;  APPLICANT:  MASUHO, YASUHIKO
;  TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
;  FILE REFERENCE: 084335/0160
;  CURRENT APPLICATION NUMBER: US/10/094,749
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 60/350,435
;  PRIOR FILING DATE: 2002-01-24
;  PRIOR APPLICATION NUMBER: JP 2001-328381
;  PRIOR FILING DATE: 2001-09-14
;  NUMBER OF SEQ ID NOS: 3381
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3381
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Illustrative
;   OTHER INFORMATION: zinc finger peptide
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(9)
;   OTHER INFORMATION: Variable amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (11)..(15)
;   OTHER INFORMATION: Variable amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (17)..(19)
;   OTHER INFORMATION: Variable amino acid
US-10-094-749-3381

  Query Match             100.0%;  Score 26;  DB 15;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 41
US-10-462-262-103
; Sequence 103, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Dawson, Bruce M.
;  TITLE OF INVENTION: PROTEIN ANALYSIS
;  FILE REFERENCE: 10280-052001
;  CURRENT APPLICATION NUMBER: US/10/462,262
;  CURRENT FILING DATE:  2003-06-16
;  PRIOR APPLICATION NUMBER: US 60/388,642
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 430
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: example of serum albumin-binding agents
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa = Arg, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 4
;   OTHER INFORMATION: Xaa = Arg, Leu, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa = Asn, Asp, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 7
;   OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 8
;   OTHER INFORMATION: Xaa = Asp, Pro, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(0)
;   OTHER INFORMATION: Xaa = Ile, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(0)
;   OTHER INFORMATION: Xaa = His, Met, Phe or Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(0)
;   OTHER INFORMATION: Xaa = Asn, Leu, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(0)
;   OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(0)
;   OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
```

```
;   LOCATION: (14)...(0)
;   OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(0)
;   OTHER INFORMATION: Xaa = Ala, Asn, or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (17)...(0)
;   OTHER INFORMATION: Xaa = Arg, Phe, Pro, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(0)
;   OTHER INFORMATION: Xaa = Arg, His, Phe, or Ser
US-10-462-262-103

  Query Match             100.0%;  Score 26;  DB 15;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.43;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 42
US-09-969-192-5
; Sequence 5, Application US/09969192
; Patent No. US20020151027A1
;   GENERAL INFORMATION:
;        APPLICANT: WICKHAM, THOMAS J.
;                   ROELVINK, PETRUS W.
;                   KOVESDI, IMRE
;        TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
;                            CONSTRAINED PEPTIDE MOTIFS
;        NUMBER OF SEQUENCES: 80
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Leydig, Voit & Mayer, Ltd.
;             STREET: Two Prudential Plaza - 49th Floor
;             CITY: Chicago
;             STATE: Illinois
;             COUNTRY: USA
;             ZIP: 60601
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/969,192
;             FILING DATE: 01-Oct-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 9-455061
;             FILING DATE: 06-DEC-1999
;             APPLICATION NUMBER: US 9-130225
;             FILING DATE: 06-AUG-1998
;             APPLICATION NUMBER: US 8-701124
;             FILING DATE: 21-AUG-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hefner, M. Daniel
;             REGISTRATION NUMBER: 41,826
;             REFERENCE/DOCKET NUMBER: 213564
;   INFORMATION FOR SEQ ID NO: 5:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 23 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-969-192-5

  Query Match             100.0%;  Score 26;  DB 9;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 0.45;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 43
US-10-423-543-119
; Sequence 119, Application US/10423543
; Publication No. US20040058355A1
; GENERAL INFORMATION:
;  APPLICANT: Millennium Pharmaceuticals, Inc.
;  APPLICANT:  Libermann, Rosana K.
;  APPLICANT:  Hunter, John J.
;  APPLICANT:  Meyers, Rachel E.
;  APPLICANT:  Rudolph-Owen, Laura A.
;  APPLICANT:  Curtis, Rory A.J.
;  APPLICANT:  Olandt, Peter J.
;  APPLICANT:  Tsai, Fong-Ying
;  APPLICANT:  Galvin, Katherine M.
;  APPLICANT:  Chun, Miyoung
;  APPLICANT:  Williamson, Mark J.
;  APPLICANT:  Silos-Santiago, Inmaculada
;  APPLICANT:  Bandaru, Rajasekhar
;  TITLE OF INVENTION: NOVEL 21910, 56634, 55053, 2504, 15977,
;  TITLE OF INVENTION:  14760, 25501, 17903, 3700, 21529, 26176, 26343, 56638,
;  TITLE OF INVENTION:  18610, 33217, 21967, h1983, m1983, 38555 OR 593 MOLECULES
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: MPI03-023OMNIM
;  CURRENT APPLICATION NUMBER: US/10/423,543
;  CURRENT FILING DATE:  2003-04-25
;  PRIOR APPLICATION NUMBER: US 10/278,036
;  PRIOR FILING DATE: 2002-10-22
;  PRIOR APPLICATION NUMBER: US 09/711,216
;  PRIOR FILING DATE: 2000-11-09
;  PRIOR APPLICATION NUMBER: US 60/205,447
;  PRIOR FILING DATE: 2000-05-19
;  PRIOR APPLICATION NUMBER: US 10/012,055
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/248,325
;  PRIOR FILING DATE: 2000-11-14
;  PRIOR APPLICATION NUMBER: US 10/003,690
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/248,893
;  PRIOR FILING DATE: 2000-11-15
;  PRIOR APPLICATION NUMBER: US 09/797,039
;  PRIOR FILING DATE: 2001-02-28
;  PRIOR APPLICATION NUMBER: US 60/186,061
;  PRIOR FILING DATE: 2000-02-29
;  PRIOR APPLICATION NUMBER: US 10/217,168
;  PRIOR FILING DATE: 2002-08-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 119
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 119
;   LENGTH: 25
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Consensus sequence
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(9)
;   OTHER INFORMATION: Xaa = Any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(16)
;   OTHER INFORMATION: Xaa = Any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(20)
```

```
;   OTHER INFORMATION: Xaa = Any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(24)
;   OTHER INFORMATION: Xaa = Any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(25)
;   OTHER INFORMATION: Xaa = Any Amino Acid
US-10-423-543-119

  Query Match             100.0%;  Score 26;  DB 12;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.46;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 44
US-09-938-315-36
; Sequence 36, Application US/09938315
; Patent No. US20020091085A1
;   GENERAL INFORMATION:
;        APPLICANT: KAY, BRIAN K.
;                   SPARKS, ANDREW B.
;                   THORN, JUDITH M.
;                   QUILLIAM, LAWRENCE A.
;                   DER, CHANNING J.
;        TITLE OF INVENTION: Src SH3 BINDING PEPTIDES AND METHODS OF
;                            ISOLATING AND USING SAME
;        NUMBER OF SEQUENCES: 106
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. Jefferson Davis Highway, Suite 400
;             CITY: Arlington
;             STATE: Virginia
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/938,315
;             FILING DATE: 23-Aug-2001
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Villacorta, Gilberto M.
;             REGISTRATION NUMBER: 34,038
;             REFERENCE/DOCKET NUMBER: 4980-007-0
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703) 413-3000
;             TELEFAX: (703) 413-2220
;             TELEX: 248855 OPAT UR
;   INFORMATION FOR SEQ ID NO: 36:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 28 amino acids
;             TYPE: amino acid
;             TOPOLOGY: unknown
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-938-315-36

  Query Match             100.0%;  Score 26;  DB 9;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 0.47;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 45
US-10-161-791-36
; Sequence 36, Application US/10161791
; Publication No. US20030186863A1
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/10/161,791
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,999
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-10-161-791-36

  Query Match             100.0%;  Score 26;  DB 14;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 0.47;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 46
US-09-919-603-13
; Sequence 13, Application US/09919603
; Patent No. US20020137679A1
; GENERAL INFORMATION:
;  APPLICANT: Lawler, John W.
;  TITLE OF INVENTION: COMP/TSP-1, COMP/TSP-2 and Other TSP
;  TITLE OF INVENTION:  Chimeric Proteins
;  FILE REFERENCE: 1440.1033-007
;  CURRENT APPLICATION NUMBER: US/09/919,603
```

; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: PCT/US00/02482
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/118,053
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 33
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-919-603-13

Query Match 100.0%; Score 26; DB 9; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 12 CXXXXXXXXC 21

RESULT 47
US-10-133-128-199
; Sequence 199, Application US/10133128
; Publication No. US20030082630A1
; GENERAL INFORMATION:
; APPLICANT: KOLKMAN, JOOST A.
; APPLICANT: STEMMER, WILLEM P.C.
; TITLE OF INVENTION: COMBINATORIAL LIBRARIES OF MONOMER DOMAINS
; FILE REFERENCE: 0319.410US
; CURRENT APPLICATION NUMBER: US/10/133,128
; CURRENT FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: 60/374,107
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 60/333,359
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 60/337,209
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/286,823
; PRIOR FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 244
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 199
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)..(7)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (9)..(12)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (14)..(19)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (21)..(25)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (27)..(34)
; OTHER INFORMATION: Any amino acid
US-10-133-128-199

Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 26 CXXXXXXXXC 35

RESULT 48
US-10-231-778-116
; Sequence 116, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(35)
; OTHER INFORMATION: X at positions 1 to 35 is any amino acid.
US-10-231-778-116

Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 18 CXXXXXXXXC 27

RESULT 49
US-10-289-660-199
; Sequence 199, Application US/10289660
; Publication No. US20030157561A1
; GENERAL INFORMATION:
; APPLICANT: KOLKMAN, JOOST A.
; APPLICANT: STEMMER, WILLEM P.C.
; APPLICANT: GOVINDARAJAN, SRIDHAR

```
;  TITLE OF INVENTION: COMBINATORIAL LIBRARIES OF MONOMER DOMAINS
;  FILE REFERENCE: 0319.510US
;  CURRENT APPLICATION NUMBER: US/10/289,660
;  CURRENT FILING DATE:  2003-11-06
;  PRIOR APPLICATION NUMBER: 10/133,128
;  PRIOR FILING DATE: 2002-04-26
;  PRIOR APPLICATION NUMBER: 60/374,107
;  PRIOR FILING DATE: 2002-04-18
;  PRIOR APPLICATION NUMBER: 60/333,359
;  PRIOR FILING DATE: 2001-11-26
;  PRIOR APPLICATION NUMBER: 60/337,209
;  PRIOR FILING DATE: 2001-11-19
;  PRIOR APPLICATION NUMBER: 60/286,823
;  PRIOR FILING DATE: 2001-04-26
;  NUMBER OF SEQ ID NOS: 244
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 199
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: peptide
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(7)
;   OTHER INFORMATION: Any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (9)..(12)
;   OTHER INFORMATION: Any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (14)..(19)
;   OTHER INFORMATION: Any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (21)..(25)
;   OTHER INFORMATION: Any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (27)..(34)
;   OTHER INFORMATION: Any amino acid
US-10-289-660-199

  Query Match             100.0%;  Score 26;  DB 14;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         26 CXXXXXXXXC 35


RESULT 50
US-10-174-151-5
; Sequence 5, Application US/10174151
; Publication No. US20030165514A1
; GENERAL INFORMATION:
;  APPLICANT: Spertini, Francois
;  TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 18519-001
;  CURRENT APPLICATION NUMBER: US/10/174,151
;  CURRENT FILING DATE:  2002-06-18
;  PRIOR APPLICATION NUMBER: US/09/506,978
;  PRIOR FILING DATE: 2000-02-18
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE
;   OTHER INFORMATION: SPACING MOTIF
;   FEATURE:
;   OTHER INFORMATION: Where any X can be any amino acid.
US-10-174-151-5

  Query Match             100.0%;  Score 26;  DB 14;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 51
US-10-204-145-5
; Sequence 5, Application US/10204145
; Publication No. US20040023291A1
; GENERAL INFORMATION:
;  APPLICANT: Ecole Polytechnique Federale de Lausanne
;  APPLICANT:  Spertini, Francois
;  TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 18519-001-064 20349-543
;  CURRENT APPLICATION NUMBER: US/10/204,145
;  CURRENT FILING DATE:  2002-08-16
;  PRIOR APPLICATION NUMBER: U.S.S.N. 09/506,978
;  PRIOR FILING DATE: 2000-02-18
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE
;   OTHER INFORMATION: SPACING MOTIF
;   FEATURE:
;   OTHER INFORMATION: Where any X can be any amino acid.
US-10-204-145-5

  Query Match             100.0%;  Score 26;  DB 16;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 52
US-09-903-248-1
; Sequence 1, Application US/09903248
; Patent No. US20020102263A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 DIV5
;  CURRENT APPLICATION NUMBER: US/09/903,248
;  CURRENT FILING DATE:  2001-07-11
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
```

```
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein  Xaa is any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-248-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 53
US-09-859-604-1
; Sequence 1, Application US/09859604
; Patent No. US20020110559A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M
;  APPLICANT:  Deutch, Alan H
;  APPLICANT:  Ghanbari, Hossein A
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 CIP
;  CURRENT APPLICATION NUMBER: US/09/859,604
;  CURRENT FILING DATE:  2001-05-17
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein any  Xaa may be any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is anu amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-859-604-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 54
US-09-903-063-1
; Sequence 1, Application US/09903063
; Patent No. US20020114810A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 DIV3
;  CURRENT APPLICATION NUMBER: US/09/903,063
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein  Xaa is any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-063-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 55
US-09-903-216-1
; Sequence 1, Application US/09903216
; Patent No. US20020114811A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 DIV2
;  CURRENT APPLICATION NUMBER: US/09/903,216
;  CURRENT FILING DATE:  2001-07-11
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
```

```
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein  Xaa is any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-216-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 56
US-09-903-199-1
; Sequence 1, Application US/09903199
; Patent No. US20020122802A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 DIV4
;  CURRENT APPLICATION NUMBER: US/09/903,199
;  CURRENT FILING DATE:  2001-07-11
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein  Xaa is any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-199-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 57
US-09-903-023-1
; Sequence 1, Application US/09903023
; Patent No. US20020146421A1
; GENERAL INFORMATION:
;  APPLICANT: Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE: 21486-032 DIV1
;  CURRENT APPLICATION NUMBER: US/09/903,023
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: 09/436,184
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   NAME/KEY: VARIANT
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: Wherein Xaa is any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (10)..(13)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (15)..(24)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (26)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
;   NAME/KEY: VARIANT
;   LOCATION: (28)..(35)
;   OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-023-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 58
US-09-436-184-1
; Sequence 1, Application US/09436184
; Publication No. US20030031670A1
; GENERAL INFORMATION:
;  APPLICANT:  Wands, Jack R.
;  APPLICANT:  de la Monte, Suzanne M.
;  APPLICANT:  Ince, Nedim
;  APPLICANT:  Carlson, Rolf I.
;  TITLE OF INVENTION:  DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
;  FILE REFERENCE:  R.I. Hosp. - Malignant Neoplasms
;  CURRENT APPLICATION NUMBER: US/09/436,184
;  CURRENT FILING DATE:  1999-11-08
;  NUMBER OF SEQ ID NOS:  7
;  SOFTWARE:  PatentIn Ver. 2.0
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; SEQ ID NO 1
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: EGF-like domain
;   OTHER INFORMATION: Wherein any  Xaa may be any amino acid
US-09-436-184-1

  Query Match             100.0%;  Score 26;  DB 10;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 59
US-10-138-158-8
; Sequence 8, Application US/10138158
; Publication No. US20030036509A1
; GENERAL INFORMATION:
;  APPLICANT: STEM CELL PHARMACEUTICALS, INC.
;  APPLICANT:  TWARDZIK, Daniel R.
;  APPLICANT:  PERNET, Andre
;  APPLICANT:  FELKER, Thomas S.
;  APPLICANT:  PASKELL, Stefan
;  APPLICANT:  RENO, John M.
;  TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE T
;  FILE REFERENCE: STEM1110-6
;  CURRENT APPLICATION NUMBER: US/10/138,158
;  CURRENT FILING DATE:  2002-08-08
;  PRIOR APPLICATION NUMBER: US 09/641,587
;  PRIOR FILING DATE: 2000-08-17
;  PRIOR APPLICATION NUMBER: US 09/559,248
;  PRIOR FILING DATE: 2000-04-26
;  PRIOR APPLICATION NUMBER: US 09/459,813
;  PRIOR FILING DATE: 1999-12-13
;  PRIOR APPLICATION NUMBER: US 09/492,935
;  PRIOR FILING DATE: 2000-01-27
;  PRIOR APPLICATION NUMBER: US 09/378,567
;  PRIOR FILING DATE: 1999-08-19
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(36)
;   OTHER INFORMATION: Xaa is any amino acid
US-10-138-158-8

  Query Match             100.0%;  Score 26;  DB 14;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 60
US-10-231-778-117
; Sequence 117, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 117
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(36)
;   OTHER INFORMATION: X at positions 1 to 36 is any amino acid.
US-10-231-778-117

  Query Match             100.0%;  Score 26;  DB 14;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         19 CXXXXXXXXC 28


RESULT 61
US-10-231-778-120
; Sequence 120, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
```

```
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(36)
;   OTHER INFORMATION: X at positions 1 to 36 is any amino acid.
US-10-231-778-120

  Query Match             100.0%;  Score 26;  DB 14;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         19 CXXXXXXXXC 28


RESULT 62
US-10-231-778-124
; Sequence 124, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 124
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(36)
;   OTHER INFORMATION: X at positions 1 to 36 is any amino acid.
US-10-231-778-124

  Query Match             100.0%;  Score 26;  DB 14;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         19 CXXXXXXXXC 28


RESULT 63
US-10-231-778-118
; Sequence 118, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 118
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(37)
;   OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-118

  Query Match             100.0%;  Score 26;  DB 14;  Length 37;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         20 CXXXXXXXXC 29


RESULT 64
US-10-231-778-121
; Sequence 121, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
```

```
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(37)
;   OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-121

  Query Match             100.0%;  Score 26;  DB 14;  Length 37;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         20 CXXXXXXXXC 29


RESULT 65
US-10-231-778-125
; Sequence 125, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 125
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(37)
;   OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-125

  Query Match             100.0%;  Score 26;  DB 14;  Length 37;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         20 CXXXXXXXXC 29


RESULT 66
US-10-231-778-131
; Sequence 131, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(37)
;   OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-131

  Query Match             100.0%;  Score 26;  DB 14;  Length 37;
  Best Local Similarity   100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         20 CXXXXXXXXC 29


RESULT 67
US-10-386-055-41
```

```
; Sequence 41, Application US/10386055
; Publication No. US20030186334A1
; GENERAL INFORMATION:
;  APPLICANT: Cezary Marcinkiewicz
;  TITLE OF INVENTION: KTS-DISINTEGRINS
;  FILE REFERENCE: 6056-286 CI1
;  CURRENT APPLICATION NUMBER: US/10/386,055
;  CURRENT FILING DATE:  2003-03-11
;  PRIOR APPLICATION NUMBER: PCT/US01/28522
;  PRIOR FILING DATE: 2001-09-12
;  PRIOR APPLICATION NUMBER: US 60/231,591
;  PRIOR FILING DATE: 2000-09-12
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: KTS-disintegrin cysteine skeleton
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(5)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(9)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(18)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(28)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (30)...(33)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (35)...(35)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (37)...(37)
;   OTHER INFORMATION: Xaa=zero or any 1, 2, 3, 4 or 5 amino acids
US-10-386-055-41

  Query Match           100.0%;  Score 26;  DB 14;  Length 37;
  Best Local Similarity  100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         10 CXXXXXXXXC 19


RESULT 68
US-10-406-073-12
; Sequence 12, Application US/10406073
; Publication No. US20030219813A1
; GENERAL INFORMATION:
;  APPLICANT: YANG, Ruey-Bing
;  APPLICANT:  NG, Chi Kin Domingos
;  APPLICANT:  TOMLINSON, James E.
;  APPLICANT:  KOMUVES, Laszlo G.
;  APPLICANT:  TOPPER, James N.
;  APPLICANT:  ROBISON, Keith E.
;  APPLICANT:  Millennium Pharmaceuticals Inc.
;  TITLE OF INVENTION: IDENTIFICATION OF A FAMILY OF SECRETED
;  TITLE OF INVENTION:  PROTEINS IN VASCULAR ENDOTHELIUM
;  FILE REFERENCE: MPI02-048P1RNM
;  CURRENT APPLICATION NUMBER: US/10/406,073
;  CURRENT FILING DATE:  2003-04-03
;  PRIOR APPLICATION NUMBER: 60/369876
;  PRIOR FILING DATE: 2002-04-05
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: PatentIn version 3.1
;    FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 37
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: consensus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 1,3,4
;   OTHER INFORMATION: The amino acid residue at position 1, 3, or 4 can
;   OTHER INFORMATION: be Asp, Glu, Gln or Asn.
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2,6-19,21-27,29,31-34,36
;   OTHER INFORMATION: The Xaa amino acid residue at these positions can be
;   OTHER INFORMATION: any amino acid.
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 30
;   OTHER INFORMATION: The amino acid residue at position 30 can be Asp
;   OTHER INFORMATION: or Asn.
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 35
;   OTHER INFORMATION: The amino acid residue at position 35 can be Phe
;   OTHER INFORMATION: or Tyr.
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(19)
;   OTHER INFORMATION: The number of residues in this region can be
;   OTHER INFORMATION: between three and fourteen.
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(27)
;   OTHER INFORMATION: The number of residues in this region can be
;   OTHER INFORMATION: between three and seven.
US-10-406-073-12

  Query Match           100.0%;  Score 26;  DB 15;  Length 37;
  Best Local Similarity  100.0%;  Pred. No. 0.51;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         28 CXXXXXXXXC 37


RESULT 69
US-10-231-778-119
; Sequence 119, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
```

```
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
;   LENGTH: 38
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(38)
;   OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-119

  Query Match             100.0%;  Score 26;  DB 14;  Length 38;
  Best Local Similarity   100.0%;  Pred. No. 0.52;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         21 CXXXXXXXXC 30


RESULT 70
US-10-231-778-122
; Sequence 122, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 122
;   LENGTH: 38
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(38)
;   OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-122

  Query Match             100.0%;  Score 26;  DB 14;  Length 38;
  Best Local Similarity   100.0%;  Pred. No. 0.52;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         21 CXXXXXXXXC 30


RESULT 71
US-10-231-778-126
; Sequence 126, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 126
;   LENGTH: 38
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(38)
;   OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-126

  Query Match             100.0%;  Score 26;  DB 14;  Length 38;
  Best Local Similarity   100.0%;  Pred. No. 0.52;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         21 CXXXXXXXXC 30


RESULT 72
```

```
US-10-231-778-130
; Sequence 130, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 130
;   LENGTH: 38
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(38)
;   OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-130

  Query Match             100.0%;  Score 26;  DB 14;  Length 38;
  Best Local Similarity   100.0%;  Pred. No. 0.52;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         21 CXXXXXXXXC 30


RESULT 73
US-10-231-778-123
; Sequence 123, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 123
;   LENGTH: 39
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(39)
;   OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-123

  Query Match             100.0%;  Score 26;  DB 14;  Length 39;
  Best Local Similarity   100.0%;  Pred. No. 0.52;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         22 CXXXXXXXXC 31


RESULT 74
US-10-231-778-127
; Sequence 127, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 127
;   LENGTH: 39
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(39)
```

; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-127

Query Match 100.0%; Score 26; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 22 CXXXXXXXXC 31

RESULT 75
US-10-231-778-129
; Sequence 129, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 129
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(39)
; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-129

Query Match 100.0%; Score 26; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 22 CXXXXXXXXC 31

RESULT 76
US-10-231-778-128
; Sequence 128, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 128
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(40)
; OTHER INFORMATION: X at positions 1 to 40 is any amino acid.
US-10-231-778-128

Query Match 100.0%; Score 26; DB 14; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 23 CXXXXXXXXC 32

RESULT 77
US-10-660-968-4
; Sequence 4, Application US/10660968
; Publication No. US20040063132A1
; GENERAL INFORMATION:
; APPLICANT: Yee, David P.
; APPLICANT: Foster, Donald C.
; APPLICANT: Presnell, Scott R.
; APPLICANT: No. US20040063132A1ak, Julia E.
; APPLICANT: Xu, Wenfeng
; APPLICANT: Lofton-Day, Catherine E.
; APPLICANT: Yao, Yue
; TITLE OF INVENTION: UMLR POLYPEPTIDES
; FILE REFERENCE: 99-75
; CURRENT APPLICATION NUMBER: US/10/660,968
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: US/09/695,369A
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/160, 880
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/163, 215
; PRIOR FILING DATE: 1999-11-02
; PRIOR APPLICATION NUMBER: 60/218,769
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/222,221
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 3.0

```
; SEQ ID NO 4
;   LENGTH: 41
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Pseudo repeat motif #1
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(1)
;   OTHER INFORMATION: Xaa is any amino acid residue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(12)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(16)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(20)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(26)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (27)...(30)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(37)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (38)...(39)
;   OTHER INFORMATION: Each Xaa is independently any amino acid residue
;   OTHER INFORMATION: or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (41)...(41)
;   OTHER INFORMATION: Xaa is any amino acid residue
US-10-660-968-4

  Query Match             100.0%;  Score 26;  DB 12;  Length 41;
  Best Local Similarity   100.0%;  Pred. No. 0.53;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         31 CXXXXXXXXC 40


RESULT 78
US-09-740-638-8
; Sequence 8, Application US/09740638
; Patent No. US20020006656A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104
;  CURRENT APPLICATION NUMBER: US/09/740,638
;  CURRENT FILING DATE:  2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
;   LENGTH: 43
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(43)
;   OTHER INFORMATION: Xaa is any amino acid.
US-09-740-638-8

  Query Match             100.0%;  Score 26;  DB 9;  Length 43;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 79
US-10-006-467-8
; Sequence 8, Application US/10006467
; Publication No. US20020164740A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104C1
;  CURRENT APPLICATION NUMBER: US/10/006,467
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: 60/172,119
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: 09/740,638
;  PRIOR FILING DATE: 2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
;   LENGTH: 43
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(43)
;   OTHER INFORMATION: Xaa is any amino acid.
US-10-006-467-8

  Query Match             100.0%;  Score 26;  DB 13;  Length 43;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 80
US-10-235-148-8
; Sequence 8, Application US/10235148
; Publication No. US20030100096A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104C1
;  CURRENT APPLICATION NUMBER: US/10/235,148
;  CURRENT FILING DATE:  2002-09-04
;  PRIOR APPLICATION NUMBER: 60/172,119
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: 09/740,638
;  PRIOR FILING DATE: 2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
;   LENGTH: 43
```

```
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(43)
;   OTHER INFORMATION: Xaa is any amino acid.
US-10-235-148-8

  Query Match             100.0%;  Score 26;  DB 14;  Length 43;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 81
US-09-740-638-9
; Sequence 9, Application US/09740638
; Patent No. US20020006656A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104
;  CURRENT APPLICATION NUMBER: US/09/740,638
;  CURRENT FILING DATE:  2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(44)
;   OTHER INFORMATION: Xaa is any amino acid.
US-09-740-638-9

  Query Match             100.0%;  Score 26;  DB 9;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 82
US-10-006-467-9
; Sequence 9, Application US/10006467
; Publication No. US20020164740A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104C1
;  CURRENT APPLICATION NUMBER: US/10/006,467
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: 60/172,119
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: 09/740,638
;  PRIOR FILING DATE: 2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(44)
;   OTHER INFORMATION: Xaa is any amino acid.
US-10-006-467-9

  Query Match             100.0%;  Score 26;  DB 13;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 83
US-10-235-148-9
; Sequence 9, Application US/10235148
; Publication No. US20030100096A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Zcys5: A Member of the Cystatin
;  TITLE OF INVENTION:  Superfamily
;  FILE REFERENCE: 99-104C1
;  CURRENT APPLICATION NUMBER: US/10/235,148
;  CURRENT FILING DATE:  2002-09-04
;  PRIOR APPLICATION NUMBER: 60/172,119
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: 09/740,638
;  PRIOR FILING DATE: 2000-12-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(44)
;   OTHER INFORMATION: Xaa is any amino acid.
US-10-235-148-9

  Query Match             100.0%;  Score 26;  DB 14;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 84
US-10-180-247-15
; Sequence 15, Application US/10180247
; Publication No. US20030167519A1
; GENERAL INFORMATION:
;  APPLICANT: DeRose, Richard
;  APPLICANT:  Freysinnet, Georges
;  APPLICANT:  Hoffman, Jules
;  TITLE OF INVENTION: Chimeric Gene Encoding Drosomycin,
;  TITLE OF INVENTION:  Vector Containing It and Production of Disease-Resistant
;  TITLE OF INVENTION:  Transgenic Plants
;  FILE REFERENCE: A32889-PCT-USA-A-A 072667.0182
;  CURRENT APPLICATION NUMBER: US/10/180,247
;  CURRENT FILING DATE:  2002-06-26
;  PRIOR APPLICATION NUMBER: 09/480,251
;  PRIOR FILING DATE: 2000-01-11
;  PRIOR APPLICATION NUMBER: PCT/FR98/01462
;  PRIOR FILING DATE: 1998-07-08
;  PRIOR APPLICATION NUMBER: FR97/09,115
```

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;  PRIOR FILING DATE: 1997-07-11
;  PRIOR APPLICATION NUMBER: FR97/09,663
;  PRIOR FILING DATE: 1997-07-24
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Drosomycin Core Sequence
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(1)
;   OTHER INFORMATION: Preferably Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Preferably Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(10)
;   OTHER INFORMATION: Preferably Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Preferably Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Preferably Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Preferably Arg
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Preferably Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(24)
;   OTHER INFORMATION: Preferably Lys
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(32)
;   OTHER INFORMATION: Preferably His
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (34)...(34)
;   OTHER INFORMATION: Preferably Ser
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (38)...(38)
;   OTHER INFORMATION: Preferably Lys
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (40)...(40)
;   OTHER INFORMATION: Preferably Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (42)...(42)
;   OTHER INFORMATION: Preferably Glu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (43)...(43)
;   OTHER INFORMATION: Preferably Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(9)
;   OTHER INFORMATION: Preferably Ser Gly Arg Tyr Lys Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(17)
;   OTHER INFORMATION: Preferably Val Trp Asp Asn Glu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Preferably Arg
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (25)...(31)
;   OTHER INFORMATION: Preferably Glu Glu Gly Arg Ser Ser Gly
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (35)...(37)
;   OTHER INFORMATION: Preferably Pro Ser Leu
US-10-180-247-15

  Query Match             100.0%;  Score 26;  DB 14;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 0.54;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          2 CXXXXXXXXC 11


RESULT 85
US-09-794-589-7
; Sequence 7, Application US/09794589
; Patent No. US20020004224A1
; GENERAL INFORMATION:
;  APPLICANT: Sheppard, Paul O.
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN8
;  FILE REFERENCE: 00-01
;  CURRENT APPLICATION NUMBER: US/09/794,589
;  CURRENT FILING DATE:  2001-02-27
;  PRIOR APPLICATION NUMBER: US 60/186,069
;  PRIOR FILING DATE: 2000-02-29
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: kunitz motif
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(51)
;   OTHER INFORMATION: Xaa = Any Amino Acid
US-09-794-589-7

  Query Match             100.0%;  Score 26;  DB 9;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 0.56;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 86
US-09-750-964-4
; Sequence 4, Application US/09750964
; Patent No. US20020102703A1
; GENERAL INFORMATION:
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT:  Fox, Brian A.
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN10
;  FILE REFERENCE: 99-84
;  CURRENT APPLICATION NUMBER: US/09/750,964
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,425
;  PRIOR FILING DATE: 1999-12-29
;  NUMBER OF SEQ ID NOS: 6
```

; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: kunitz motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(2)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; OTHER INFORMATION: Pro or Trp
; NAME/KEY: VARIANT
; LOCATION: (3)...(3)
; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
; OTHER INFORMATION: Pro
; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
; OTHER INFORMATION: Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (5)...(5)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
; OTHER INFORMATION: Ser, Thr or Trp
; NAME/KEY: VARIANT
; LOCATION: (6)...(6)
; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
; OTHER INFORMATION: or Met
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
; OTHER INFORMATION: Met, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Gly or Glu
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
; OTHER INFORMATION: Thr
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; OTHER INFORMATION: Pro, Trp or Val
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
; OTHER INFORMATION: or Ser
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp or Ty
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp or Ty
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr or Phe
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp, T
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)
; OTHER INFORMATION: Xaa is Phe or Tyr
; NAME/KEY: VARIANT
; LOCATION: (30)...(30)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
; NAME/KEY: VARIANT
; LOCATION: (31)...(31)
; OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is Ser, Gly or Thr
; NAME/KEY: VARIANT
; LOCATION: (33)...(33)
; OTHER INFORMATION: Xaa is Gly or Ile
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
; NAME/KEY: VARIANT
; LOCATION: (36)...(36)
; OTHER INFORMATION: Xaa is Gly, Lys or Ala
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa is Asn, Lys or Ser
; NAME/KEY: VARIANT
; LOCATION: (38)...(38)
; OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp, T
; NAME/KEY: VARIANT
; LOCATION: (39)...(39)
; OTHER INFORMATION: Xaa is Asn or Tyr
; NAME/KEY: VARIANT
; LOCATION: (40)...(40)
; OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is Phe, Tyr or Asp
; NAME/KEY: VARIANT
; LOCATION: (42)...(42)
; OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (43)...(43)
; OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
; NAME/KEY: VARIANT
; LOCATION: (44)...(44)
; OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
; NAME/KEY: VARIANT
; LOCATION: (45)...(45)
; OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
; NAME/KEY: VARIANT
; LOCATION: (46)...(46)
; OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
; NAME/KEY: VARIANT
; LOCATION: (48)...(48)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr, '
; NAME/KEY: VARIANT

```
;   LOCATION: (49)...(49)
;   OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro, Ser, Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (50)...(50)
;   OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or Arg
US-09-750-964-4

  Query Match             100.0%;  Score 26;  DB 9;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 0.56;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 87
US-09-740-510-5
; Sequence 5, Application US/09740510
; Patent No. US20020111460A1
; GENERAL INFORMATION:
;  APPLICANT: Holloway, James L.
;  TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
;  FILE REFERENCE: 99-103
;  CURRENT APPLICATION NUMBER: US/09/740,510
;  CURRENT FILING DATE:  2000-12-18
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: motif.
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(51)
;   OTHER INFORMATION: Xaa is any amino acid.
US-09-740-510-5

  Query Match             100.0%;  Score 26;  DB 9;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 0.56;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 88
US-10-021-963-3
; Sequence 3, Application US/10021963
; Publication No. US20020110887A1
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN6
;  FILE REFERENCE: 98-40
;  CURRENT APPLICATION NUMBER: US/10/021,963
;  CURRENT FILING DATE:  2001-12-14
;  PRIOR APPLICATION NUMBER: US/09/388,183
;  PRIOR FILING DATE: 1999-09-01
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Kunitz motif
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(2)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
;   OTHER INFORMATION: Pro or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
;   OTHER INFORMATION: Pro
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
;   OTHER INFORMATION: Tyr or Val
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(5)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
;   OTHER INFORMATION: Ser, Thr or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(6)
;   OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
;   OTHER INFORMATION: or Met
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
;   OTHER INFORMATION: Met, Phe or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Gly or Glu
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
;   OTHER INFORMATION: Thr
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
;   OTHER INFORMATION: Pro, Trp or Val
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
;   OTHER INFORMATION: or Ser
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(13)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser,
;   OTHER INFORMATION: Trp or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met,
;   OTHER INFORMATION: Trp or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
;   NAME/KEY: VARIANT
;   LOCATION: (17)...(17)
;   OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(19)
;   OTHER INFORMATION: Xaa is Tyr or Phe
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (23)...(23)
;   OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or
;   OTHER INFORMATION: Val
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(24)
;   OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
```

; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro,
; OTHER INFORMATION: Trp, Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or
; OTHER INFORMATION: Trp
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp
; OTHER INFORMATION: or Tyr
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)
; OTHER INFORMATION: Xaa is Phe or Tyr
; NAME/KEY: VARIANT
; LOCATION: (30)...(30)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
; NAME/KEY: VARIANT
; LOCATION: (31)...(31)
; OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is Ser, Gly or Thr
; NAME/KEY: VARIANT
; LOCATION: (33)...(33)
; OTHER INFORMATION: Xaa is Gly or Ile
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
; NAME/KEY: VARIANT
; LOCATION: (36)...(36)
; OTHER INFORMATION: Xaa is Gly, Lys or Ala
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa is Asn, Lys or Ser
; NAME/KEY: VARIANT
; LOCATION: (38)...(38)
; OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr,
; OTHER INFORMATION: Trp, Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (39)...(39)
; OTHER INFORMATION: Xaa is Asn or Tyr
; NAME/KEY: VARIANT
; LOCATION: (40)...(40)
; OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is Phe, Tyr or Asp
; NAME/KEY: VARIANT
; LOCATION: (42)...(42)
; OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (43)...(43)
; OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
; NAME/KEY: VARIANT
; LOCATION: (44)...(44)
; OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or
; OTHER INFORMATION: Val
; NAME/KEY: VARIANT
; LOCATION: (45)...(45)
; OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or
; OTHER INFORMATION: Pro
; NAME/KEY: VARIANT
; LOCATION: (46)...(46)
; OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
; NAME/KEY: VARIANT
; LOCATION: (48)...(48)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser,
; OTHER INFORMATION: Thr, Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (49)...(49)
; OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro,
; OTHER INFORMATION: Ser, Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (50)...(50)
; OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or
; OTHER INFORMATION: Arg
US-10-021-963-3

Query Match 100.0%; Score 26; DB 13; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 89
US-10-225-261-5
; Sequence 5, Application US/10225261
; Publication No. US20030100070A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
; FILE REFERENCE: 99-103
; CURRENT APPLICATION NUMBER: US/10/225,261
; CURRENT FILING DATE: 2002-08-20
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: motif.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa is any amino acid.
US-10-225-261-5

Query Match 100.0%; Score 26; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 90
US-10-315-380-7
; Sequence 7, Application US/10315380
; Publication No. US20030129577A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN8
; FILE REFERENCE: 00-01
; CURRENT APPLICATION NUMBER: US/10/315,380
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US/09/794,589
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 60/186,069
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: kunitz motif
; FEATURE:
; NAME/KEY: VARIANT

```
;   LOCATION: (1)...(51)
;   OTHER INFORMATION: Xaa = Any Amino Acid
US-10-315-380-7

  Query Match             100.0%;  Score 26;  DB 14;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 0.56;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 91
US-10-315-432-4
; Sequence 4, Application US/10315432
; Publication No. US20030162259A1
; GENERAL INFORMATION:
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT:  Fox, Brian A.
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN10
;  FILE REFERENCE: 99-84
;  CURRENT APPLICATION NUMBER: US/10/315,432
;  CURRENT FILING DATE:  2002-12-09
;  PRIOR APPLICATION NUMBER: US/09/750,964
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,425
;  PRIOR FILING DATE: 1999-12-29
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: kunitz motif
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(2)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Pro or Trp
;   OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(5)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
;   OTHER INFORMATION: Tyr or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(6)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
;   OTHER INFORMATION: Ser, Thr or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
;   OTHER INFORMATION: or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
;   OTHER INFORMATION: Met, Phe or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Gly or Glu
;   OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
;   OTHER INFORMATION: Pro, Trp or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(13)
;   OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
;   OTHER INFORMATION: or Ser
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp o
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp o
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (17)...(17)
;   OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(19)
;   OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Xaa is Tyr or Phe
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (23)...(23)
;   OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(24)
;   OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (25)...(25)
;   OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (27)...(27)
;   OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (28)...(28)
;   OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (29)...(29)
```

```
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (30)...(30)
;   OTHER INFORMATION: Xaa is Phe or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (31)...(31)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(32)
;   OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (33)...(33)
;   OTHER INFORMATION: Xaa is Ser, Gly or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (35)...(35)
;   OTHER INFORMATION: Xaa is Gly or Ile
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (36)...(36)
;   OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (37)...(37)
;   OTHER INFORMATION: Xaa is Gly, Lys or Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (38)...(38)
;   OTHER INFORMATION: Xaa is Asn, Lys or Ser
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (39)...(39)
;   OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp, Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (40)...(40)
;   OTHER INFORMATION: Xaa is Asn or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (41)...(41)
;   OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (42)...(42)
;   OTHER INFORMATION: Xaa is Phe, Tyr or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (43)...(43)
;   OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (44)...(44)
;   OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (45)...(45)
;   OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (46)...(46)
;   OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (48)...(48)
;   OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser

  Query Match           100.0%;  Score 26;  DB 14;  Length 51;
  Best Local Similarity  100.0%;  Pred. No. 0.56;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 92
US-09-874-056-8
; Sequence 8, Application US/09874056
; Publication No. US20020192704A1
; GENERAL INFORMATION:
;  APPLICANT: OKANO, Akira
;  APPLICANT:  ETO, Yuzuru
;  APPLICANT:  IZUMI, Tetsuro
;  TITLE OF INVENTION: Insulin Receptor-Related Receptor Binding Protein and Utilizat
;  TITLE OF INVENTION:  Same
;  FILE REFERENCE: 209427US0
;  CURRENT APPLICATION NUMBER: US/09/874,056
;  CURRENT FILING DATE:  2001-06-06
;  PRIOR APPLICATION NUMBER: JP 2000-170912
;  PRIOR FILING DATE: 2000-06-07
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Mus musculus
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (10)..(10)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (12)..(12)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (13)..(13)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
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;   LOCATION: (17)..(17)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (20)..(20)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (21)..(21)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (22)..(22)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (23)..(23)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (26)..(26)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (27)..(27)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (28)..(28)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (29)..(29)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (30)..(30)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (31)..(31)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (34)..(34)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (36)..(36)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (37)..(37)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (42)..(42)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (43)..(43)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (44)..(44)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (45)..(45)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (47)..(47)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (48)..(48)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (49)..(49)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (50)..(50)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (51)..(51)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (52)..(52)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
US-09-874-056-8

  Query Match           100.0%;  Score 26;  DB 9;  Length 53;
  Best Local Similarity  100.0%;  Pred. No. 0.57;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         15 CXXXXXXXXC 24


RESULT 93
US-09-819-136-5
; Sequence 5, Application US/09819136
; Patent No. US20020146789A1
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  APPLICANT:  Gao, Zeren
;  TITLE OF INVENTION: MULTI-DOMAIN PROTEINASE INHIBITOR
;  FILE REFERENCE: 00-25
;  CURRENT APPLICATION NUMBER: US/09/819,136
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/193,642
;  PRIOR FILING DATE: 2000-03-31
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 55
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: peptide motif
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(7)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(9)
;   OTHER INFORMATION: Xaa = any amino acid or is not present
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(25)
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;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: VARIANT
;   LOCATION: (26)...(29)
;   OTHER INFORMATION: Xaa = any amino acid or is not present
;   NAME/KEY: VARIANT
;   LOCATION: (31)...(54)
;   OTHER INFORMATION: Xaa = any amino acid
US-09-819-136-5

  Query Match             100.0%;  Score 26;  DB 9;  Length 55;
  Best Local Similarity   100.0%;  Pred. No. 0.58;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 94
US-10-231-778-58
; Sequence 58, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(63)
;   OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-58

  Query Match             100.0%;  Score 26;  DB 14;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 95
US-10-231-778-78
; Sequence 78, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(63)
;   OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-78

  Query Match             100.0%;  Score 26;  DB 14;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 96
US-10-231-778-98
; Sequence 98, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
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;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(63)
;   OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-98

  Query Match             100.0%;  Score 26;  DB 14;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 97
US-10-231-778-63
; Sequence 63, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 63
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-63

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 98
US-10-231-778-68
; Sequence 68, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-68

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 99
US-10-231-778-83
; Sequence 83, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
```

```
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-83

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 100
US-10-231-778-88
; Sequence 88, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-88

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 101
US-10-231-778-103
; Sequence 103, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 103
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-103

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
```

```
                ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 102
US-10-231-778-108
; Sequence 108, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
;   LENGTH: 64
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(64)
;   OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-108

  Query Match             100.0%;  Score 26;  DB 14;  Length 64;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 103
US-10-231-778-73
; Sequence 73, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 73
;   LENGTH: 65
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(65)
;   OTHER INFORMATION: X at positions 1 to 65 is any amino acid.
US-10-231-778-73

  Query Match             100.0%;  Score 26;  DB 14;  Length 65;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 104
US-10-231-778-93
; Sequence 93, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 93
;   LENGTH: 65
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(65)
;   OTHER INFORMATION: X at positions 1 to 65 is any amino acid.
US-10-231-778-93

  Query Match             100.0%;  Score 26;  DB 14;  Length 65;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 105
US-10-231-778-113
; Sequence 113, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
;  APPLICANT: Bilodeau, Pierre
;  APPLICANT:  Chaudhury, Abdul M.
;  APPLICANT:  Dennis, Elizabeth S.
;  APPLICANT:  Koltunow, Anna M.G.
;  APPLICANT:  Luo, Ming
;  APPLICANT:  Peacock, William J.
;  TITLE OF INVENTION: Method for inducing seed development by down-regulating
;  TITLE OF INVENTION:  expression of the FIS2 gene
;  FILE REFERENCE: 72-98A
;  CURRENT APPLICATION NUMBER: US/10/231,778
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: 09/398,237
;  PRIOR FILING DATE: 1999-09-20
;  PRIOR APPLICATION NUMBER: 60/101,184
;  PRIOR FILING DATE: 1998-09-21
;  PRIOR APPLICATION NUMBER: AU PP6061
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6062
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PP6063
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: AU PQ1345
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: AU PQ1346
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 239
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 113
;   LENGTH: 65
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(65)
;   OTHER INFORMATION: X at positions 1 to 65 is any amino acid.
US-10-231-778-113

  Query Match             100.0%;  Score 26;  DB 14;  Length 65;
  Best Local Similarity   100.0%;  Pred. No. 0.6;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 106
US-09-792-200B-20
; Sequence 20, Application US/09792200B
; Patent No. US20020042368A1
; GENERAL INFORMATION:
;  APPLICANT: Immunex Corporation
;  APPLICANT:  Fanslow, William C.
;  APPLICANT:  Poindexter, Kurt
;  APPLICANT:  Cerretti, Douglas P.
;  APPLICANT:  Black, Roy A.
;  TITLE OF INVENTION: INTEGRIN ANTAGONISTS
;  FILE REFERENCE: 2958-A
;  CURRENT APPLICATION NUMBER: US/09/792,200B
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: US 60/184,865
;  PRIOR FILING DATE: 2000-02-25
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Consensus disintegrin domain
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(9)
;   OTHER INFORMATION: Xaa is 3-5 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (11)..(16)
;   OTHER INFORMATION: Xaa is 3-6 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (19)..(22)
;   OTHER INFORMATION: Xaa is 2-4 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (24)..(30)
;   OTHER INFORMATION: Xaa is 7 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (32)..(37)
;   OTHER INFORMATION: Xaa is 4-6 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (40)..(43)
;   OTHER INFORMATION: Xaa is 2-4 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (45)..(52)
;   OTHER INFORMATION: Xaa is 8 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (54)..(60)
;   OTHER INFORMATION: Xaa is 5-7 varying residues in a consensus sequence
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (62)..(66)
;   OTHER INFORMATION: Xaa is 3-5 varying residues in a consensus sequence
US-09-792-200B-20

  Query Match             100.0%;  Score 26;  DB 9;  Length 67;
  Best Local Similarity   100.0%;  Pred. No. 0.61;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         44 CXXXXXXXXC 53


RESULT 107
US-09-952-559-1
; Sequence 1, Application US/09952559
; Patent No. US20020048815A1
;   GENERAL INFORMATION:
;        APPLICANT: Gage, Frederick H.
;                   Suhr, Steven T.
;        TITLE OF INVENTION: Modified Lepidopteran Receptors
;                            and Hybrid Multi-Functional Proteins for Use in Transcr
;                            and Transgene Expression Regulation
;        NUMBER OF SEQUENCES: 4
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Gray Cary Ware & Freidenrich
;             STREET: 4365 Executive Drive, Suite 1600
```

```
;            CITY: San Diego
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 92121
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows DEMONSTRATION Version 2.0D
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/952,559
;            FILING DATE: 13-Sep-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/891,298
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Reiter, Stephen E
;            REGISTRATION NUMBER: 31,192
;            REFERENCE/DOCKET NUMBER: <Unknown>
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 619-677-1409
;            TELEFAX: 619-677-1465
;            TELEX: <Unknown>
;  INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 71 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-952-559-1

  Query Match           100.0%;  Score 26;  DB 9;  Length 71;
  Best Local Similarity  100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 108
US-09-042-488B-1
; Sequence 1, Application US/09042488B
; Patent No. US20020177564A1
; GENERAL INFORMATION:
;  APPLICANT: EVANS, RONALD M.
;  APPLICANT:  NO, DAVID
;  APPLICANT:  SAEZ, ENRIQUE
;  TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN
;  TITLE OF INVENTION:  MAMMALIAN SYSTEMS, AND PRODUCTS REALTED THERETO
;  FILE REFERENCE: SALK1520-2
;  CURRENT APPLICATION NUMBER: US/09/042,488B
;  CURRENT FILING DATE:  1998-03-16
;  PRIOR APPLICATION NUMBER: 08/974,530
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: 08/628,830
;  PRIOR FILING DATE: 1996-04-05
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: peptide sequence
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(3)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (8)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (10)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (12)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (14)..(17)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (19)..(20)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (23)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (26)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (28)..(38)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (40)..(47)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (49)..(51)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (53)..(54)
;   OTHER INFORMATION: Amny amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (56)..(57)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (59)..(60)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (63)..(64)
;   OTHER INFORMATION: Any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (67)..(69)
;   OTHER INFORMATION: Any amino acid
US-09-042-488B-1

  Query Match           100.0%;  Score 26;  DB 9;  Length 71;
  Best Local Similarity  100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 109
US-09-949-278-1
; Sequence 1, Application US/09949278
; Publication No. US20020187972A1
; GENERAL INFORMATION:
;  APPLICANT: EVANS, Ronald
;  APPLICANT:  SAEZ, Enrique
;  TITLE OF INVENTION: FORMULATIONS USEFUL FOR MODULATING EXPRESSION OF
;  TITLE OF INVENTION:  EXOGENOUS
;  TITLE OF INVENTION:  GENES IN MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
;  FILE REFERENCE: SALK2310
;  CURRENT APPLICATION NUMBER: US/09/949,278
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 09/079,570
;  PRIOR FILING DATE: 1998-05-14
;  NUMBER OF SEQ ID NOS: 27
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;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Binding domain of the steroid/thyroid hormone
;   OTHER INFORMATION: superfamily of
;   OTHER INFORMATION: receptor
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(71)
;   OTHER INFORMATION: Xaa is any amino acid
US-09-949-278-1

  Query Match             100.0%;  Score 26;  DB 9;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 110
US-10-236-745-1
; Sequence 1, Application US/10236745
; Publication No. US20030083469A1
;   GENERAL INFORMATION:
;        APPLICANT: Evans, Ronald M.
;                   Forman, Barry M.
;                   Umesono, Kazuhiko
;       TITLE OF INVENTION: ALLOSTERIC CONTROL OF NUCLEAR HORMONE RECEPTORS
;       NUMBER OF SEQUENCES: 14
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Gray Cary Ware & Freidenrich
;            STREET: 4365 Executive Drive, Suite 1600
;            CITY: San Diego
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 92121
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows DEMONSTRATION Version 2.0D
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/236,745
;            FILING DATE: 06-Sep-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/877,966B
;            FILING DATE: 17-JUN-1997
;            APPLICATION NUMBER: 08/372,217
;            FILING DATE: 13-JAN-1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Reiter, Stephen E
;            REGISTRATION NUMBER: 31,192
;            REFERENCE/DOCKET NUMBER: SALK 1450-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 619-677-1409
;            TELEFAX: 619-677-1465
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 71 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-236-745-1

  Query Match             100.0%;  Score 26;  DB 14;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 111
US-10-302-557-33
; Sequence 33, Application US/10302557
; Publication No. US20030099926A1
; GENERAL INFORMATION:
;  APPLICANT: SUCOV, HENRY M
;  APPLICANT:  EVANS, RONALD M
;  APPLICANT:  UMESONO, KAZUHIKO
;  TITLE OF INVENTION: RESPONSE ELEMENT COMPOSITIONS AND ASSAYS EMPLOYING SAME
;  FILE REFERENCE: 088802/1552
;  CURRENT APPLICATION NUMBER: US/10/302,557
;  CURRENT FILING DATE:  2002-11-22
;  PRIOR APPLICATION NUMBER: US/07/672,530
;  PRIOR FILING DATE: 1991-03-19
;  PRIOR APPLICATION NUMBER: 07/438,757
;  PRIOR FILING DATE: 1989-11-16
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Highly
;   OTHER INFORMATION: Conserved Amino Acids of the DNA-Binding Domain of
;   OTHER INFORMATION: Members of the Superfamily
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(3)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (8)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (10)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (12)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (14)..(17)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (19)..(20)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (23)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (26)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (28)..(38)
```

```
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (40)..(47)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (49)..(51)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (53)..(54)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (56)..(57)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (59)..(60)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (63)..(64)
;   OTHER INFORMATION: any amino acid
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (67)..(69)
;   OTHER INFORMATION: any amino acid
US-10-302-557-33

  Query Match             100.0%;  Score 26;  DB 14;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 112
US-10-458-880-1
; Sequence 1, Application US/10458880
; Publication No. US20040006144A1
;   GENERAL INFORMATION:
;        APPLICANT: Evans, Ronald M.
;                   Mangelsdorf, David J.
;                   Heyman, Richard A.
;                   Boehm, Marcus F.
;                   Eichele, Gregor
;                   Thaller, Christina
;        TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
;                            MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
;                            THEREFOR
;        NUMBER OF SEQUENCES: 2
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
;             STREET: 444 South Flower Street, Suite 2000
;             CITY: Los Angeles
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/458,880
;             FILING DATE: 10-Jun-2003
;             CLASSIFICATION: 424
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/350,648
;             FILING DATE: 09-Jul-1999
;             APPLICATION NUMBER: US/08/472,817
;             FILING DATE: 07-JUN-1995
;             APPLICATION NUMBER: US 08/244,857
;             FILING DATE: 14-JUN-1994
;             APPLICATION NUMBER: WO 93/11755
;             FILING DATE: 18-DEC-1992
;             APPLICATION NUMBER: US 07/809,980
;             FILING DATE: 18-DEC-1991
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Reiter, Stephen E.
;             REGISTRATION NUMBER: 31,192
;             REFERENCE/DOCKET NUMBER: P41 9979
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 619-546-1995
;             TELEFAX: 619-546-9392
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 71 amino acids
;             TYPE: amino acid
;             TOPOLOGY: unknown
;        MOLECULE TYPE: protein
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-458-880-1

  Query Match             100.0%;  Score 26;  DB 15;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 0.62;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
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Db         39 CXXXXXXXXC 48


RESULT 113
US-10-424-599-247931
; Sequence 247931, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
;  APPLICANT: La Rosa Thomas J
;  APPLICANT:  Kovalic David K
;  APPLICANT:  Zhou Yihua
;  APPLICANT:  Cao Yongwei
;  TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants and Uses Thereof for Plant Improvement
;  FILE REFERENCE: 38-21(53223)B
;  CURRENT APPLICATION NUMBER: US/10/424,599
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 247931
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Glycine max
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(95)
;   OTHER INFORMATION: unsure at all Xaa locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT3847_65912C.1.pep
US-10-424-599-247931

  Query Match             100.0%;  Score 26;  DB 12;  Length 95;
  Best Local Similarity   100.0%;  Pred. No. 0.67;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
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Db          2 CXXXXXXXXC 11


RESULT 114
US-10-011-859-23
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; Sequence 23, Application US/10011859
; Publication No. US20020147328A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS
; FILE REFERENCE: 97-75
; CURRENT APPLICATION NUMBER: US/10/011,859
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/253,316
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/075,300
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: connective tissue growth factor family motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(9)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)...(11)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (13)...(31)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (34)...(38)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (39)...(40)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (42)...(53)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (54)...(54)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (56)...(62)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (63)...(63)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (65)...(106)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (107)...(108)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (110)...(122)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (123)...(126)
; OTHER INFORMATION: Xaa is any amino acid or not present
US-10-011-859-23

Query Match 100.0%; Score 26; DB 13; Length 127;
Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 55 CXXXXXXXXC 64

RESULT 115
US-10-153-273-14
; Sequence 14, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.
; Su, Xin-zhaun
; Wellems, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,273
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-153-273-14

Query Match 100.0%; Score 26; DB 13; Length 271;
Best Local Similarity 100.0%; Pred. No. 0.91;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 189 CXXXXXXXXC 198

RESULT 116
US-10-153-273-21
; Sequence 21, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.

```
;                  Su, Xin-zhaun
;                  Wellems, Thomas E.
;       TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
;                           AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;       NUMBER OF SEQUENCES: 37
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Knobbe Martens Olson & Bear
;            STREET: 620 Newport Center Drive  16th Floor
;            CITY: Newport Beach
;            STATE: California
;            COUNTRY: US
;            ZIP: 92660
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/153,273
;            FILING DATE: 21-May-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/210,288
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Fuller, Michael
;            REGISTRATION NUMBER: 36,516
;            REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (619) 235-8550
;            TELEFAX: (619) 235-0176
;   INFORMATION FOR SEQ ID NO: 21:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 311 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       FRAGMENT TYPE: internal
;       ORIGINAL SOURCE:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-153-273-21

  Query Match             100.0%;  Score 26;  DB 13;  Length 311;
  Best Local Similarity   100.0%;  Pred. No. 0.95;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        228 CXXXXXXXXC 237


RESULT 117
US-10-153-273-17
; Sequence 17, Application US/10153273
; Publication No. US20020169305A1
;   GENERAL INFORMATION:
;       APPLICANT: Sim, Kim L.
;                  Chitnis, Chetan
;                  Miller, Louis H.
;                  Peterson, David S.
;                  Su, Xin-zhaun
;                  Wellems, Thomas E.
;       TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
;                           AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;       NUMBER OF SEQUENCES: 37
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Knobbe Martens Olson & Bear
;            STREET: 620 Newport Center Drive  16th Floor
;            CITY: Newport Beach
;            STATE: California
;            COUNTRY: US
;            ZIP: 92660
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/153,273
;            FILING DATE: 21-May-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/210,288
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Fuller, Michael
;            REGISTRATION NUMBER: 36,516
;            REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (619) 235-8550
;            TELEFAX: (619) 235-0176
;   INFORMATION FOR SEQ ID NO: 17:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 324 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       FRAGMENT TYPE: internal
;       ORIGINAL SOURCE:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-153-273-17

  Query Match             100.0%;  Score 26;  DB 13;  Length 324;
  Best Local Similarity   100.0%;  Pred. No. 0.96;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
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Db        311 CXXXXXXXXC 320


Search completed: May  4, 2004, 07:18:34
Job time : 43 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 4, 2004, 06:50:58 ; Search time 23 Seconds
(without alignments)
22.446 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 130

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	17	65.4	10	1	US-08-526-710-39	Sequence 39, Appl
2	17	65.4	10	2	US-08-465-380-200	Sequence 200, App
3	17	65.4	10	2	US-08-465-380-249	Sequence 249, App
4	17	65.4	10	2	US-08-465-380-299	Sequence 299, App
5	17	65.4	10	2	US-08-465-380-352	Sequence 352, App
6	17	65.4	10	2	US-08-486-397-200	Sequence 200, App
7	17	65.4	10	2	US-08-486-397-249	Sequence 249, App
8	17	65.4	10	2	US-08-486-397-299	Sequence 299, App
9	17	65.4	10	2	US-08-486-397-352	Sequence 352, App
10	17	65.4	10	2	US-08-486-399-200	Sequence 200, App
11	17	65.4	10	2	US-08-486-399-249	Sequence 249, App
12	17	65.4	10	2	US-08-486-399-299	Sequence 299, App
13	17	65.4	10	2	US-08-486-399-352	Sequence 352, App
14	17	65.4	10	2	US-08-461-965-200	Sequence 200, App
15	17	65.4	10	2	US-08-461-965-249	Sequence 249, App
16	17	65.4	10	2	US-08-461-965-299	Sequence 299, App
17	17	65.4	10	2	US-08-461-965-352	Sequence 352, App
18	17	65.4	10	2	US-08-634-641-200	Sequence 200, App
19	17	65.4	10	2	US-08-634-641-249	Sequence 249, App
20	17	65.4	10	2	US-08-634-641-299	Sequence 299, App
21	17	65.4	10	2	US-08-634-641-352	Sequence 352, App
22	17	65.4	10	2	US-08-286-861-42	Sequence 42, Appl
23	17	65.4	10	3	US-09-249-471-200	Sequence 200, App
24	17	65.4	10	3	US-09-249-471-249	Sequence 249, App
25	17	65.4	10	3	US-09-249-471-299	Sequence 299, App
26	17	65.4	10	3	US-09-249-471-352	Sequence 352, App
27	17	65.4	10	3	US-09-249-472-200	Sequence 200, App
28	17	65.4	10	3	US-09-249-472-249	Sequence 249, App
29	17	65.4	10	3	US-09-249-472-299	Sequence 299, App
30	17	65.4	10	3	US-09-249-472-352	Sequence 352, App
31	17	65.4	10	3	US-08-862-855-39	Sequence 39, Appl
32	17	65.4	10	3	US-09-249-451-200	Sequence 200, App
33	17	65.4	10	3	US-09-249-451-249	Sequence 249, App
34	17	65.4	10	3	US-09-249-451-299	Sequence 299, App
35	17	65.4	10	3	US-09-249-451-352	Sequence 352, App
36	17	65.4	10	3	US-08-809-455-200	Sequence 200, App
37	17	65.4	10	3	US-08-809-455-249	Sequence 249, App
38	17	65.4	10	3	US-08-809-455-299	Sequence 299, App
39	17	65.4	10	3	US-08-809-455-352	Sequence 352, App
40	17	65.4	10	3	US-09-249-461-200	Sequence 200, App
41	17	65.4	10	3	US-09-249-461-249	Sequence 249, App
42	17	65.4	10	3	US-09-249-461-299	Sequence 299, App
43	17	65.4	10	3	US-09-249-461-352	Sequence 352, App
44	17	65.4	10	3	US-09-249-448-200	Sequence 200, App
45	17	65.4	10	3	US-09-249-448-249	Sequence 249, App
46	17	65.4	10	3	US-09-249-448-299	Sequence 299, App
47	17	65.4	10	3	US-09-249-448-352	Sequence 352, App
48	17	65.4	10	3	US-09-226-985-39	Sequence 39, Appl
49	17	65.4	10	4	US-09-227-906-39	Sequence 39, Appl
50	17	65.4	10	4	US-09-249-473-200	Sequence 200, App
51	17	65.4	10	4	US-09-249-473-249	Sequence 249, App
52	17	65.4	10	4	US-09-249-473-299	Sequence 299, App
53	17	65.4	10	4	US-09-249-473-352	Sequence 352, App
54	15	57.7	10	2	US-08-465-380-145	Sequence 145, App
55	15	57.7	10	2	US-08-465-380-173	Sequence 173, App
56	15	57.7	10	2	US-08-465-380-222	Sequence 222, App
57	15	57.7	10	2	US-08-465-380-271	Sequence 271, App
58	15	57.7	10	2	US-08-465-380-325	Sequence 325, App
59	15	57.7	10	2	US-08-480-478-76	Sequence 76, Appl
60	15	57.7	10	2	US-08-486-397-145	Sequence 145, App
61	15	57.7	10	2	US-08-486-397-173	Sequence 173, App
62	15	57.7	10	2	US-08-486-397-222	Sequence 222, App
63	15	57.7	10	2	US-08-486-397-271	Sequence 271, App
64	15	57.7	10	2	US-08-486-397-325	Sequence 325, App
65	15	57.7	10	2	US-08-486-399-145	Sequence 145, App
66	15	57.7	10	2	US-08-486-399-173	Sequence 173, App
67	15	57.7	10	2	US-08-486-399-222	Sequence 222, App
68	15	57.7	10	2	US-08-486-399-271	Sequence 271, App
69	15	57.7	10	2	US-08-486-399-325	Sequence 325, App
70	15	57.7	10	2	US-08-461-965-145	Sequence 145, App
71	15	57.7	10	2	US-08-461-965-173	Sequence 173, App
72	15	57.7	10	2	US-08-461-965-222	Sequence 222, App
73	15	57.7	10	2	US-08-461-965-271	Sequence 271, App
74	15	57.7	10	2	US-08-461-965-325	Sequence 325, App
75	15	57.7	10	2	US-08-326-110A-76	Sequence 76, Appl
76	15	57.7	10	2	US-08-634-641-145	Sequence 145, App
77	15	57.7	10	2	US-08-634-641-173	Sequence 173, App
78	15	57.7	10	2	US-08-634-641-222	Sequence 222, App
79	15	57.7	10	2	US-08-634-641-271	Sequence 271, App
80	15	57.7	10	2	US-08-634-641-325	Sequence 325, App
81	15	57.7	10	3	US-09-249-471-145	Sequence 145, App
82	15	57.7	10	3	US-09-249-471-173	Sequence 173, App
83	15	57.7	10	3	US-09-249-471-222	Sequence 222, App
84	15	57.7	10	3	US-09-249-471-271	Sequence 271, App
85	15	57.7	10	3	US-09-249-471-325	Sequence 325, App
86	15	57.7	10	3	US-09-249-472-145	Sequence 145, App
87	15	57.7	10	3	US-09-249-472-173	Sequence 173, App
88	15	57.7	10	3	US-09-249-472-222	Sequence 222, App
89	15	57.7	10	3	US-09-249-472-271	Sequence 271, App
90	15	57.7	10	3	US-09-249-472-325	Sequence 325, App
91	15	57.7	10	3	US-09-249-451-145	Sequence 145, App
92	15	57.7	10	3	US-09-249-451-173	Sequence 173, App
93	15	57.7	10	3	US-09-249-451-222	Sequence 222, App
94	15	57.7	10	3	US-09-249-451-271	Sequence 271, App
95	15	57.7	10	3	US-09-249-451-325	Sequence 325, App
96	15	57.7	10	3	US-08-809-455-145	Sequence 145, App
97	15	57.7	10	3	US-08-809-455-173	Sequence 173, App
98	15	57.7	10	3	US-08-809-455-222	Sequence 222, App
99	15	57.7	10	3	US-08-809-455-271	Sequence 271, App
100	15	57.7	10	3	US-08-809-455-325	Sequence 325, App

ALIGNMENTS

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RESULT 1
US-08-526-710-39
; Sequence 39, Application US/08526710
; Patent No. 5622699
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Pasqualini, Renata
;    TITLE OF INVENTION:  Method of Identifying Molecules That
;    TITLE OF INVENTION:  Home to a Selected Organ In Vivo
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell and Flores
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/526,710
;      FILING DATE:  11-SEP-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 1779
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-526-710-39

  Query Match             65.4%;  Score 17;  DB 1;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 2
US-08-465-380-200
; Sequence 200, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-465-380-200

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 3
US-08-465-380-249
; Sequence 249, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
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; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-465-380-249

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 4
US-08-465-380-299
; Sequence 299, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-465-380-299

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 5
US-08-465-380-352
; Sequence 352, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.

US-08-465-380-352

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
||||||||| |
Db 1 CXXXXXXXX 9

RESULT 6
US-08-486-397-200
; Sequence 200, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-486-397-200

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
||||||||| |
Db 1 CXXXXXXXX 9

RESULT 7
US-08-486-397-249
; Sequence 249, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-486-397-249

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
||||||||| |
Db 1 CXXXXXXXX 9

RESULT 8
US-08-486-397-299
; Sequence 299, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

```
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-397-299

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 9
US-08-486-397-352
; Sequence 352, Application US/08486397
; Patent No. 5866542
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-397-352

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 10
US-08-486-399-200
; Sequence 200, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
```

```
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-399-200

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 11
US-08-486-399-249
; Sequence 249, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-399-249

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 12
US-08-486-399-299
; Sequence 299, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-399-299

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
```

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  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 13
US-08-486-399-352
; Sequence 352, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-486-399-352

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 14
US-08-461-965-200
; Sequence 200, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-461-965-200

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 15
US-08-461-965-249
; Sequence 249, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
```

```
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/461,965
;       FILING DATE:  June 5, 1995
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/326,110
;       FILING DATE:  October 18, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BIGGS, SUZANNE L.
;       REGISTRATION NUMBER:  30,158
;       REFERENCE/DOCKET NUMBER:  210/243
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  249:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;       OTHER INFORMATION:  amino acid.
US-08-461-965-249

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 16
US-08-461-965-299
; Sequence 299, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-461-965-299

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 17
US-08-461-965-352
; Sequence 352, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
```

```
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-461-965-352

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 18
US-08-634-641-200
; Sequence 200, Application US/08634641
; Patent No. 5955294
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George P. Vlasuk
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Mensens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/634,641
;      FILING DATE:  April 19, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  219/136
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-634-641-200

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 19
US-08-634-641-249
; Sequence 249, Application US/08634641
; Patent No. 5955294
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George P. Vlasuk
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Mensens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/634,641
;      FILING DATE:  April 19, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
```

```
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  219/136
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-634-641-249

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 20
US-08-634-641-299
; Sequence 299, Application US/08634641
; Patent No. 5955294
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George P. Vlasuk
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Mensens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/634,641
;      FILING DATE:  April 19, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  219/136
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-634-641-299

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 21
US-08-634-641-352
; Sequence 352, Application US/08634641
; Patent No. 5955294
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George P. Vlasuk
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Mensens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/634,641
;      FILING DATE:  April 19, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
```

```
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/461,965
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/326,110
;       FILING DATE:  October 18, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BIGGS, SUZANNE L.
;       REGISTRATION NUMBER:  30,158
;       REFERENCE/DOCKET NUMBER:  219/136
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  352:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;       OTHER INFORMATION:  amino acid.
US-08-634-641-352

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 22
US-08-286-861-42
; Sequence 42, Application US/08286861
; Patent No. 5981478
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Koivunen, Erkki
;    TITLE OF INVENTION:  No. 5981478el Integrin-Binding Peptides
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell and Flores
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/286,861
;      FILING DATE:  04-AUG-1994
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/158,001
;      FILING DATE:  24-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LA 9992
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  both
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US-08-286-861-42

  Query Match             65.4%;  Score 17;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 23
US-09-249-471-200
; Sequence 200, Application US/09249471
; Patent No. 6040441
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,471
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
```

```
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-471-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 24
US-09-249-471-249
; Sequence 249, Application US/09249471
; Patent No. 6040441
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,471
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-471-249

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 25
US-09-249-471-299
; Sequence 299, Application US/09249471
; Patent No. 6040441
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,471
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
```

```
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-471-299

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 26
US-09-249-471-352
; Sequence 352, Application US/09249471
; Patent No. 6040441
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,471
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-471-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 27
US-09-249-472-200
; Sequence 200, Application US/09249472
; Patent No. 6046318
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,472
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
```

```
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-472-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 28
US-09-249-472-249
; Sequence 249, Application US/09249472
; Patent No. 6046318
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,472
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-472-249

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 29
US-09-249-472-299
; Sequence 299, Application US/09249472
; Patent No. 6046318
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
```

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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,472
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-472-299

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 30
US-09-249-472-352
; Sequence 352, Application US/09249472
; Patent No. 6046318
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,472
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-472-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 31
US-08-862-855-39
; Sequence 39, Application US/08862855
; Patent No. 6068829
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Pasqualini, Renata
;    TITLE OF INVENTION:  Method of Identifying Molecules That
;    TITLE OF INVENTION:  Home to a Selected Organ In Vivo
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/862,855
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/526,710
;      FILING DATE:  11-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/813,273
;      FILING DATE:  10-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 2621
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-862-855-39

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 32
US-09-249-451-200
; Sequence 200, Application US/09249451
; Patent No. 6087487
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,451
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-451-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 33
US-09-249-451-249
; Sequence 249, Application US/09249451
; Patent No. 6087487
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,451
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; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-451-249

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 34
US-09-249-451-299
; Sequence 299, Application US/09249451
; Patent No. 6087487
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,451
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-451-299

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 35
US-09-249-451-352
; Sequence 352, Application US/09249451
; Patent No. 6087487
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California

```
;       COUNTRY:  U.S.A.
;       ZIP:  90071
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/249,451
;       FILING DATE:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/809,455
;       FILING DATE:  April 17, 1997
;       APPLICATION NUMBER:  PCT/US95/13231
;       FILING DATE:  October 17, 1995
;       APPLICATION NUMBER:  08/486,399
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/486,397
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/465,380
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/461,965
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/326,110
;       FILING DATE:  October 18, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BIGGS, SUZANNE L.
;       REGISTRATION NUMBER:  30,158
;       REFERENCE/DOCKET NUMBER:  216/270
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  352:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;       OTHER INFORMATION:  amino acid.
US-09-249-451-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 36
US-08-809-455-200
; Sequence 200, Application US/08809455
; Patent No. 6090916
;  GENERAL INFORMATION:
;     APPLICANT:  Vlasuk, George Phillip
;     APPLICANT:  Stanssens, Patrick Eric Hugo
;     APPLICANT:  Messens, Joris Hilda Lieven
;     APPLICANT:  Lauwereys, Marc Josef
;     APPLICANT:  Laroche, Yves Rene
;     APPLICANT:  Jespers, Laurent Stephane
;     APPLICANT:  Gansemans, Yannick Georges Jozef
;     APPLICANT:  Moyle, Matthew
;     APPLICANT:  Bergum, Peter W.
;     TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;     TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;     TITLE OF INVENTION:  PROTEIN
;     NUMBER OF SEQUENCES:  356
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/809,455
;       FILING DATE:  April 17, 1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US95/13231
;       FILING DATE:  October 17, 1995
;       APPLICATION NUMBER:  08/486,399
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/486,397
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/465,380
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/461,965
;       FILING DATE:  June 5, 1995
;       APPLICATION NUMBER:  08/326,110
;       FILING DATE:  October 18, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BIGGS, SUZANNE L.
;       REGISTRATION NUMBER:  30,158
;       REFERENCE/DOCKET NUMBER:  216/270
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  200:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;       OTHER INFORMATION:  amino acid.
US-08-809-455-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 37
US-08-809-455-249
; Sequence 249, Application US/08809455
; Patent No. 6090916
;  GENERAL INFORMATION:
;     APPLICANT:  Vlasuk, George Phillip
;     APPLICANT:  Stanssens, Patrick Eric Hugo
;     APPLICANT:  Messens, Joris Hilda Lieven
;     APPLICANT:  Lauwereys, Marc Josef
;     APPLICANT:  Laroche, Yves Rene
;     APPLICANT:  Jespers, Laurent Stephane
;     APPLICANT:  Gansemans, Yannick Georges Jozef
;     APPLICANT:  Moyle, Matthew
;     APPLICANT:  Bergum, Peter W.
;     TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;     TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
```

```
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/809,455
;      FILING DATE:  April 17, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-809-455-249

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 38
US-08-809-455-299
; Sequence 299, Application US/08809455
; Patent No. 6090916
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/809,455
;      FILING DATE:  April 17, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-809-455-299

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 39
US-08-809-455-352
; Sequence 352, Application US/08809455
; Patent No. 6090916
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
```

```
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/809,455
;      FILING DATE:  April 17, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-08-809-455-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 40
US-09-249-461-200
; Sequence 200, Application US/09249461
; Patent No. 6096877
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,461
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-461-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 41
US-09-249-461-249
```

```
; Sequence 249, Application US/09249461
; Patent No. 6096877
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,461
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-461-249

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 42
US-09-249-461-299
; Sequence 299, Application US/09249461
; Patent No. 6096877
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,461
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-461-299

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
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  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 43
US-09-249-461-352
; Sequence 352, Application US/09249461
; Patent No. 6096877
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,461
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-461-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 44
US-09-249-448-200
; Sequence 200, Application US/09249448
; Patent No. 6121435
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,448
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
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```
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-448-200

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 45
US-09-249-448-249
; Sequence 249, Application US/09249448
; Patent No. 6121435
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,448
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-448-249

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 46
US-09-249-448-299
; Sequence 299, Application US/09249448
; Patent No. 6121435
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,448
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-448-299

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 47
US-09-249-448-352
; Sequence 352, Application US/09249448
; Patent No. 6121435
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,448
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  352:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-448-352

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 48
US-09-226-985-39
; Sequence 39, Application US/09226985
; Patent No. 6296832
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Pasqualini, Renata
;    TITLE OF INVENTION:  Molecules That Home to a Selected Organ In Vivo
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/226,985
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/526,710
;      FILING DATE:  11-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/813,273
;      FILING DATE:  10-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/862,855
;      FILING DATE:  23-MAY-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 3423
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
```

```
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-226-985-39

  Query Match             65.4%;  Score 17;  DB 3;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 49
US-09-227-906-39
; Sequence 39, Application US/09227906
; Patent No. 6306365
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Pasqualini, Renata
;    TITLE OF INVENTION:  Method of Identifying Molecules That
;    TITLE OF INVENTION:  Home to a Selected Organ In Vivo
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/227,906
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/526,710
;      FILING DATE:  11-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/813,273
;      FILING DATE:  10-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/862,855
;      FILING DATE:  23-MAY-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 3424
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-227-906-39

  Query Match             65.4%;  Score 17;  DB 4;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 50
US-09-249-473-200
; Sequence 200, Application US/09249473
; Patent No. 6534629
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,473
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  200:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-473-200
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  Query Match             65.4%;  Score 17;  DB 4;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 51
US-09-249-473-249
; Sequence 249, Application US/09249473
; Patent No. 6534629
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,473
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  249:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 2 to 10 is an
;      OTHER INFORMATION:  amino acid.
US-09-249-473-249

  Query Match             65.4%;  Score 17;  DB 4;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 52
US-09-249-473-299
; Sequence 299, Application US/09249473
; Patent No. 6534629
;  GENERAL INFORMATION:
;    APPLICANT:  Vlasuk, George Phillip
;    APPLICANT:  Stanssens, Patrick Eric Hugo
;    APPLICANT:  Messens, Joris Hilda Lieven
;    APPLICANT:  Lauwereys, Marc Josef
;    APPLICANT:  Laroche, Yves Rene
;    APPLICANT:  Jespers, Laurent Stephane
;    APPLICANT:  Gansemans, Yannick Georges Jozef
;    APPLICANT:  Moyle, Matthew
;    APPLICANT:  Bergum, Peter W.
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED SERINE PROTEASE
;    TITLE OF INVENTION:  INHIBITORS AND ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/249,473
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/809,455
;      FILING DATE:  April 17, 1997
;      APPLICATION NUMBER:  PCT/US95/13231
;      FILING DATE:  October 17, 1995
;      APPLICATION NUMBER:  08/486,399
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/486,397
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/465,380
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/461,965
;      FILING DATE:  June 5, 1995
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  216/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  299:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-473-299

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 53
US-09-249-473-352
; Sequence 352, Application US/09249473
; Patent No. 6534629
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,473
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-473-352

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXX 9
|||||||||
Db 1 CXXXXXXXX 9

RESULT 54
US-08-465-380-145
; Sequence 145, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 145:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:

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;      OTHER INFORMATION:  Xaa in locations 1 to 3 and 5
;      OTHER INFORMATION:  to 10 is an amino acid.
US-08-465-380-145

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 55
US-08-465-380-173
; Sequence 173, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  173:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-465-380-173

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 56
US-08-465-380-222
; Sequence 222, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  222:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-465-380-222

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 57
US-08-465-380-271
; Sequence 271, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
```

```
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  271:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-465-380-271

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 58
US-08-465-380-325
; Sequence 325, Application US/08465380
; Patent No. 5863894
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,380
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  325:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-465-380-325

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 59
US-08-480-478-76
; Sequence 76, Application US/08480478
; Patent No. 5864009
;  GENERAL INFORMATION:
;    APPLICANT:  GEORGE P. VLASUK; PATRICK ERIC
;    APPLICANT:  HUGO STANSSENS; JORIS HILDA
;    APPLICANT:  LIEVEN MESSENS; MARC JOZEF
;    APPLICANT:  LAUWEREYS; YVES RENE LAROCHE;
;    APPLICANT:  LAURENT STEPHANE JESPERS; and
;    APPLICANT:  YANNICK GEORGES JOZEF
;    APPLICANT:  GANSEMANS
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTI-
;    TITLE OF INVENTION:  COAGULANT PROTEIN
;    NUMBER OF SEQUENCES:  86
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
```

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;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,478
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  18 OCTOBER 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  208/290
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  76:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in any location 1 to 3, or 5
;      OTHER INFORMATION:  to 10 is an amino acid.
US-08-480-478-76

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 60
US-08-486-397-145
; Sequence 145, Application US/08486397
; Patent No. 5866542
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  145:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and 5
;      OTHER INFORMATION:  to 10 is an amino acid.
US-08-486-397-145

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 61
US-08-486-397-173
; Sequence 173, Application US/08486397
; Patent No. 5866542
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  173:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
```

```
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-397-173

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 62
US-08-486-397-222
; Sequence 222, Application US/08486397
; Patent No. 5866542
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  222:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-397-222

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 63
US-08-486-397-271
; Sequence 271, Application US/08486397
; Patent No. 5866542
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  271:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-397-271

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 64
US-08-486-397-325
; Sequence 325, Application US/08486397
; Patent No. 5866542
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  357
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,397
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/269
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  325:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-397-325

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 65
US-08-486-399-145
; Sequence 145, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  145:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and 5
;      OTHER INFORMATION:  to 10 is an amino acid.
US-08-486-399-145

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 66
US-08-486-399-173
; Sequence 173, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
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;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/486,399
;       FILING DATE:  June 5, 1995
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/326,110
;       FILING DATE:  October 18, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BIGGS, SUZANNE L.
;       REGISTRATION NUMBER:  30,158
;       REFERENCE/DOCKET NUMBER:  213/270
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  173:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in locations 1 to 3 and
;       OTHER INFORMATION:  locations 5 to 10 is an amino
;       OTHER INFORMATION:  acid.
US-08-486-399-173

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 67
US-08-486-399-222
; Sequence 222, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  222:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-399-222

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 68
US-08-486-399-271
; Sequence 271, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  271:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
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;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-399-271

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 69
US-08-486-399-325
; Sequence 325, Application US/08486399
; Patent No. 5866543
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,399
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  213/270
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  325:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-486-399-325

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 70
US-08-461-965-145
; Sequence 145, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  145:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and 5
;      OTHER INFORMATION:  to 10 is an amino acid.
US-08-461-965-145

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 71
US-08-461-965-173
; Sequence 173, Application US/08461965
```

```
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  173:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-461-965-173

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 72
US-08-461-965-222
; Sequence 222, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  222:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-461-965-222

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 73
US-08-461-965-271
; Sequence 271, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
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;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  271:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-461-965-271

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 74
US-08-461-965-325
; Sequence 325, Application US/08461965
; Patent No. 5872098
;  GENERAL INFORMATION:
;    APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
;    APPLICANT:  Joris H.L. Mensens, Marc J. Lauwereys,
;    APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
;    APPLICANT:  Yannick G.J. Gansemans, Matthew Moyle,
;    APPLICANT:  Peter W. Bergum
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
;    TITLE OF INVENTION:  PROTEIN
;    NUMBER OF SEQUENCES:  356
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,965
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/326,110
;      FILING DATE:  October 18, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  210/243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  325:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    FRAGMENT TYPE:  internal fragment
;    FEATURE:
;      OTHER INFORMATION:  Xaa in locations 1 to 3 and
;      OTHER INFORMATION:  locations 5 to 10 is an amino
;      OTHER INFORMATION:  acid.
US-08-461-965-325

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 75
US-08-326-110A-76
; Sequence 76, Application US/08326110A
; Patent No. 5945275
;  GENERAL INFORMATION:
;    APPLICANT:  GEORGE P. VLASUK; PATRICK ERIC
;    APPLICANT:  HUGO STANSSENS; JORIS HILDA
;    APPLICANT:  LIEVEN MESSENS; MARC JOZEF
;    APPLICANT:  LAUWEREYS; YVES RENE LAROCHE;
;    APPLICANT:  LAURENT STEPHANE JESPERS; and
;    APPLICANT:  YANNICK GEORGES JOZEF
;    APPLICANT:  GANSEMANS
;    TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTI-
;    TITLE OF INVENTION:  COAGULANT PROTEIN
;    NUMBER OF SEQUENCES:  86
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/326,110A
;      FILING DATE:  18 OCTOBER 1994
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIGGS, SUZANNE L.
;      REGISTRATION NUMBER:  30,158
;      REFERENCE/DOCKET NUMBER:  208/290
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
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;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  76:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  10 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     FRAGMENT TYPE:  internal fragment
;     FEATURE:
;       OTHER INFORMATION:  Xaa in any location 1 to 3, or 5
;       OTHER INFORMATION:  to 10 is an amino acid.
US-08-326-110A-76

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


Search completed: May  4, 2004, 06:53:03
Job time : 23 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 4, 2004, 06:53:08 ; Search time 41 Seconds
(without alignments)
67.607 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 36

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	100.0	10	10	US-09-932-613-11	Sequence 11, Appl
2	26	100.0	10	10	US-09-932-322-11	Sequence 11, Appl
3	26	100.0	10	11	US-09-825-517A-3	Sequence 3, Appli
4	26	100.0	10	11	US-09-825-517A-110	Sequence 110, App
5	26	100.0	10	13	US-10-046-922-33	Sequence 33, Appl
6	26	100.0	10	14	US-10-094-401-133	Sequence 133, App
7	26	100.0	10	15	US-10-396-073-21	Sequence 21, Appl
8	26	100.0	10	15	US-10-462-262-101	Sequence 101, App
9	17	65.4	10	9	US-09-364-597A-42	Sequence 42, Appl
10	17	65.4	10	10	US-09-498-272-200	Sequence 200, App
11	17	65.4	10	10	US-09-498-272-249	Sequence 249, App
12	17	65.4	10	10	US-09-498-272-299	Sequence 299, App
13	17	65.4	10	10	US-09-498-272-352	Sequence 352, App
14	17	65.4	10	12	US-09-922-227-39	Sequence 39, Appl
15	15	57.7	10	10	US-09-498-272-145	GENERAL INFORMA
16	15	57.7	10	10	US-09-498-272-173	Sequence 173, App
17	15	57.7	10	10	US-09-498-272-222	Sequence 222, App
18	15	57.7	10	10	US-09-498-272-271	Sequence 271, App
19	15	57.7	10	10	US-09-498-272-325	Sequence 325, App
20	15	57.7	10	12	US-09-861-101-6	Sequence 6, Appli
21	15	57.7	10	15	US-10-297-229-1	Sequence 1, Appli
22	14	53.8	10	14	US-10-013-815-74	Sequence 74, Appl
23	14	53.8	10	14	US-10-013-815-79	Sequence 79, Appl
24	13	50.0	10	9	US-09-781-988-19	Sequence 19, Appl
25	13	50.0	10	10	US-09-858-935B-67	Sequence 67, Appl
26	13	50.0	10	10	US-09-893-878-19	Sequence 19, Appl
27	13	50.0	10	11	US-09-896-095-19	Sequence 19, Appl
28	13	50.0	10	12	US-10-271-869-67	Sequence 67, Appl
29	13	50.0	10	14	US-10-098-093-18	Sequence 18, Appl
30	13	50.0	10	14	US-10-098-093-26	Sequence 26, Appl
31	13	50.0	10	14	US-10-013-815-75	Sequence 75, Appl
32	13	50.0	10	14	US-10-013-815-78	Sequence 78, Appl
33	13	50.0	10	15	US-10-126-685-19	Sequence 19, Appl
34	13	50.0	10	15	US-10-186-229-21	Sequence 21, Appl
35	13	50.0	10	15	US-10-127-028-19	Sequence 19, Appl
36	13	50.0	10	16	US-10-126-544-19	Sequence 19, Appl

ALIGNMENTS

```
RESULT 1
US-09-932-613-11
; Sequence 11, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
;  APPLICANT: Human Genome Sciences, Inc.
;  APPLICANT:  Beltzer, James P.
;  APPLICANT:  Potter, M. Daniel
;  APPLICANT:  Fleming, Tony J.
;  APPLICANT:  Rosen, Craig A.
;  TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
;  FILE REFERENCE: Dyx-025.1 PCT; DYX-025.1 US
;  CURRENT APPLICATION NUMBER: US/09/932,613
;  CURRENT FILING DATE:  2001-08-17
;  NUMBER OF SEQ ID NOS: 458
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;  LENGTH: 10
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: BLyS binding polypeptide
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (2)..(2)
;  OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (3)..(3)
;  OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (4)..(4)
;  OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (5)..(5)
;  OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably
;  OTHER INFORMATION: r Pro);
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (6)..(6)
;  OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (7)..(7)
;  OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (8)..(8)
;  OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
;  NAME/KEY: MISC_FEATURE
;  LOCATION: (9)..(9)
;  OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
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US-09-932-613-11

Query Match 100.0%; Score 26; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10
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RESULT 2
US-09-932-322-11
; Sequence 11, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLyS)
; FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
; CURRENT APPLICATION NUMBER: US/09/932,322
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: BLyS binding polypeptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Glu o
; OTHER INFORMATION: r Pro);
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-322-11

Query Match 100.0%; Score 26; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10
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RESULT 3
US-09-825-517A-3
; Sequence 3, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding loop
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa is Asn, Glu or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is Gln, Gly or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Ala, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val
US-09-825-517A-3

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10
```

RESULT 4
US-09-825-517A-110
; Sequence 110, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24

; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic 16-mer microprotein analogue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: X is Asn, Glu, Asp or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, Asn, Ser,
; OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln
; OTHER INFORMATION: or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
; OTHER INFORMATION: Trp, His, Arg, Met, Val or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: X is Gln, Lys, Leu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: X is Tyr, Trp or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
; OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu
US-09-825-517A-110

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 5
US-10-046-922-33
; Sequence 33, Application US/10046922
; Publication No. US20020164667A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Koivunen, Erkki
; APPLICANT: Kubo, Hajime
; TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
; FILE REFERENCE: 28967/37084A
; CURRENT APPLICATION NUMBER: US/10/046,922
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 10
; TYPE: PRT
; ORGANISM: isolated peptide
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X is glycine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X is tyrosine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X is tryptophan or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X is leucine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X is threonine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X is isoleucine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X is tryptophan or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X is glycine or a conservative substitution
US-10-046-922-33

Query Match 100.0%; Score 26; DB 13; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 6
US-10-094-401-133
; Sequence 133, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; CURRENT FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 133
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: albumin binding peptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: Gln, Glu, Phe, or Met
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Asp, Pro, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: Ile, Ser, or Trp
; NAME/KEY: MISC_FEATURE

```
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: His, Met, Phe or Pro
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: Asn, Leu, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: Arg, Asn, His, or Thr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: Arg, Met, Phe, or Tyr
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: Asp, Gly, Phe, or Trp
US-10-094-401-133

  Query Match             100.0%;  Score 26;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 7
US-10-396-073-21
; Sequence 21, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
;  APPLICANT: Wescott, Charles R.
;  APPLICANT:  Sato, Aaron K.
;  TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
;  FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
;  CURRENT APPLICATION NUMBER: US/10/396,073
;  CURRENT FILING DATE:  2003-03-25
;  PRIOR APPLICATION NUMBER: US 60/367,645
;  PRIOR FILING DATE: 2002-03-26
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: fibrinogen binding polypeptide
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: X2 is Asn, Met, or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: X3 is Ala or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: X4 is Arg, Asn, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(5)
;   OTHER INFORMATION: X5 is Pro, Thr, or Trp
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(6)
;   OTHER INFORMATION: X6 is Ile, Met, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: X7 is Ala, His, or Ser
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: X8 is Leu, Pro, or Tyr
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: X9 is Trp or Tyr
US-10-396-073-21

  Query Match             100.0%;  Score 26;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 8
US-10-462-262-101
; Sequence 101, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
;  APPLICANT: Sato, Aaron K.
;  APPLICANT:  Dawson, Bruce M.
;  TITLE OF INVENTION: PROTEIN ANALYSIS
;  FILE REFERENCE: 10280-052001
;  CURRENT APPLICATION NUMBER: US/10/462,262
;  CURRENT FILING DATE:  2003-06-16
;  PRIOR APPLICATION NUMBER: US 60/388,642
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 430
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: example of serum albumin-binding agents
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 2
;   OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 3
;   OTHER INFORMATION: Xaa = Asp, Pro, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 4
;   OTHER INFORMATION: Xaa = Ile, Ser, or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 5
;   OTHER INFORMATION: Xaa = His, Met, Phe or Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 6
;   OTHER INFORMATION: Xaa = Asn, Leu, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(0)
;   OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(0)
;   OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(0)
;   OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
US-10-462-262-101

  Query Match             100.0%;  Score 26;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.35;
```

```
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 9
US-09-364-597A-42
; Sequence 42, Application US/09364597A
; Patent No. US20020103130A1
;  GENERAL INFORMATION:
;    APPLICANT:  Ruoslahti, Erkki
;    APPLICANT:  Koivunen, Erkki
;    TITLE OF INVENTION:  No. US20020103130A1el Integrin-Binding Peptides
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/364,597A
;      FILING DATE:  30-JUL-1999
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/158,001
;      FILING DATE:  24-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/286,861
;      FILING DATE:  04-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LA 3419
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (858) 535-9001
;      TELEFAX:  (858) 535-8949
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  10 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  both
US-09-364-597A-42

  Query Match             65.4%;  Score 17;  DB 9;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 10
US-09-498-272-200
; Sequence 200, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;        APPLICANT: Vlasuk, George Phillip
;                   Stanssens, Patrick Eric Hugo
;                   Messens, Joris Hilda Lieven
;                   Lauwereys, Marc Josef
;                   Laroche, Yves Rene
;                   Jespers, Laurent Stephane
;                   Gansemans, Yannick Georges Jozef
;                   Moyle, Matthew
;                   Bergum, Peter W.
;        TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                            INHIBITORS AND ANTICOAGULANT
;                            PROTEIN
;        NUMBER OF SEQUENCES: 356
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/498,272
;             FILING DATE: 04-Feb-2000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/US95/13231
;             FILING DATE: October 17, 1995
;             APPLICATION NUMBER: 08/486,399
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/486,397
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/465,380
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/461,965
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/326,110
;             FILING DATE: October 18, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BIGGS, SUZANNE L.
;             REGISTRATION NUMBER: 30,158
;             REFERENCE/DOCKET NUMBER: 216/270
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 200:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        FRAGMENT TYPE: internal fragment
;        FEATURE:
;             OTHER INFORMATION:   Xaa in locations 2 to 10 is an
;             amino acid.
;        SEQUENCE DESCRIPTION: SEQ ID NO: 200:
US-09-498-272-200

  Query Match             65.4%;  Score 17;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 11
US-09-498-272-249
; Sequence 249, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;        APPLICANT: Vlasuk, George Phillip
;                   Stanssens, Patrick Eric Hugo
;                   Messens, Joris Hilda Lieven
```

```
;                  Lauwereys, Marc Josef
;                  Laroche, Yves Rene
;                  Jespers, Laurent Stephane
;                  Gansemans, Yannick Georges Jozef
;                  Moyle, Matthew
;                  Bergum, Peter W.
;       TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                           INHIBITORS AND ANTICOAGULANT
;                           PROTEIN
;       NUMBER OF SEQUENCES: 356
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Lyon & Lyon
;            STREET: 633 West Fifth Street
;                    Suite 4700
;            CITY: Los Angeles
;            STATE: California
;            COUNTRY: U.S.A.
;            ZIP: 90071
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                         storage
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: IBM P.C. DOS 5.0
;            SOFTWARE: Word Perfect 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/498,272
;            FILING DATE: 04-Feb-2000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US95/13231
;            FILING DATE: October 17, 1995
;            APPLICATION NUMBER: 08/486,399
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/486,397
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/465,380
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/461,965
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/326,110
;            FILING DATE: October 18, 1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BIGGS, SUZANNE L.
;            REGISTRATION NUMBER: 30,158
;            REFERENCE/DOCKET NUMBER: 216/270
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (213) 489-1600
;            TELEFAX: (213) 955-0440
;            TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 249:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 10 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       FRAGMENT TYPE: internal fragment
;       FEATURE:
;            OTHER INFORMATION:   Xaa in locations 2 to 10 is an
;            amino acid.
;       SEQUENCE DESCRIPTION: SEQ ID NO: 249:
US-09-498-272-249

  Query Match             65.4%;  Score 17;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 12
US-09-498-272-299
; Sequence 299, Application US/09498272
; Publication No. US20030113890A1
```

```
;   GENERAL INFORMATION:
;       APPLICANT: Vlasuk, George Phillip
;                  Stanssens, Patrick Eric Hugo
;                  Messens, Joris Hilda Lieven
;                  Lauwereys, Marc Josef
;                  Laroche, Yves Rene
;                  Jespers, Laurent Stephane
;                  Gansemans, Yannick Georges Jozef
;                  Moyle, Matthew
;                  Bergum, Peter W.
;       TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                           INHIBITORS AND ANTICOAGULANT
;                           PROTEIN
;       NUMBER OF SEQUENCES: 356
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Lyon & Lyon
;            STREET: 633 West Fifth Street
;                    Suite 4700
;            CITY: Los Angeles
;            STATE: California
;            COUNTRY: U.S.A.
;            ZIP: 90071
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                         storage
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: IBM P.C. DOS 5.0
;            SOFTWARE: Word Perfect 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/498,272
;            FILING DATE: 04-Feb-2000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US95/13231
;            FILING DATE: October 17, 1995
;            APPLICATION NUMBER: 08/486,399
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/486,397
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/465,380
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/461,965
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/326,110
;            FILING DATE: October 18, 1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BIGGS, SUZANNE L.
;            REGISTRATION NUMBER: 30,158
;            REFERENCE/DOCKET NUMBER: 216/270
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (213) 489-1600
;            TELEFAX: (213) 955-0440
;            TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 299:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 10 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       FRAGMENT TYPE: internal fragment
;       FEATURE:
;            OTHER INFORMATION:   Xaa in locations 2 to 10 is an
;            amino acid.
;       SEQUENCE DESCRIPTION: SEQ ID NO: 299:
US-09-498-272-299

  Query Match             65.4%;  Score 17;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9
```

```
RESULT 13
US-09-498-272-352
; Sequence 352, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;        APPLICANT: Vlasuk, George Phillip
;                   Stanssens, Patrick Eric Hugo
;                   Messens, Joris Hilda Lieven
;                   Lauwereys, Marc Josef
;                   Laroche, Yves Rene
;                   Jespers, Laurent Stephane
;                   Gansemans, Yannick Georges Jozef
;                   Moyle, Matthew
;                   Bergum, Peter W.
;        TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                            INHIBITORS AND ANTICOAGULANT
;                            PROTEIN
;        NUMBER OF SEQUENCES: 356
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/498,272
;             FILING DATE: 04-Feb-2000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/US95/13231
;             FILING DATE: October 17, 1995
;             APPLICATION NUMBER: 08/486,399
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/486,397
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/465,380
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/461,965
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/326,110
;             FILING DATE: October 18, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BIGGS, SUZANNE L.
;             REGISTRATION NUMBER: 30,158
;             REFERENCE/DOCKET NUMBER: 216/270
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 352:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        FRAGMENT TYPE: internal fragment
;        FEATURE:
;             OTHER INFORMATION:   Xaa in locations 2 to 10 is an
;             amino acid.
;        SEQUENCE DESCRIPTION: SEQ ID NO: 352:
US-09-498-272-352

  Query Match             65.4%;  Score 17;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 14
US-09-922-227-39
; Sequence 39, Application US/09922227
; Publication No. US20040071689A1
;   GENERAL INFORMATION:
;        APPLICANT: Ruoslahti, Erkki
;                   Pasqualini, Renata
;        TITLE OF INVENTION: Method of Identifying Molecules That
;                            Home to a Selected Organ In Vivo
;        NUMBER OF SEQUENCES: 44
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Campbell & Flores LLP
;             STREET: 4370 La Jolla Village Drive, Suite 700
;             CITY: San Diego
;             STATE: California
;             COUNTRY: United States
;             ZIP: 92122
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/922,227
;             FILING DATE: 02-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/526,710
;             FILING DATE: 11-SEP-1995
;             APPLICATION NUMBER: US 08/813,273
;             FILING DATE: 10-MAR-1997
;             APPLICATION NUMBER: US 08/862,855
;             FILING DATE: 23-MAY-1997
;             APPLICATION NUMBER: US 09/227,906
;             FILING DATE: 08-JAN-1999
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Campbell, Cathryn A.
;             REGISTRATION NUMBER: 31,815
;             REFERENCE/DOCKET NUMBER: P-LJ 4859
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (619) 535-9001
;             TELEFAX: (619) 535-8949
;   INFORMATION FOR SEQ ID NO: 39:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-09-922-227-39

  Query Match             65.4%;  Score 17;  DB 12;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+02;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXX 9
              |||||||||
Db          1 CXXXXXXXX 9


RESULT 15
US-09-498-272-145
;   GENERAL INFORMATION:
;        APPLICANT: Vlasuk, George Phillip
;                   Stanssens, Patrick Eric Hugo
;                   Messens, Joris Hilda Lieven
;                   Lauwereys, Marc Josef
;                   Laroche, Yves Rene
;                   Jespers, Laurent Stephane
```

```
;                    Gansemans, Yannick Georges Jozef
;                    Moyle, Matthew
;                    Bergum, Peter W.
;         TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                             INHIBITORS AND ANTICOAGULANT
;                             PROTEIN
;         NUMBER OF SEQUENCES: 356
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Lyon & Lyon
;              STREET: 633 West Fifth Street
;                      Suite 4700
;              CITY: Los Angeles
;              STATE: California
;              COUNTRY: U.S.A.
;              ZIP: 90071
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                           storage
;              COMPUTER: IBM Compatible
;              OPERATING SYSTEM: IBM P.C. DOS 5.0
;              SOFTWARE: Word Perfect 5.1
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/498,272
;              FILING DATE: 04-Feb-2000
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: PCT/US95/13231
;              FILING DATE: October 17, 1995
;              APPLICATION NUMBER: 08/486,399
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/486,397
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/465,380
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/461,965
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/326,110
;              FILING DATE: October 18, 1994
;         ATTORNEY/AGENT INFORMATION:
;              NAME: BIGGS, SUZANNE L.
;              REGISTRATION NUMBER: 30,158
;              REFERENCE/DOCKET NUMBER: 216/270
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (213) 489-1600
;              TELEFAX: (213) 955-0440
;              TELEX: 67-3510
;         SEQUENCE DESCRIPTION: SEQ ID NO: 145:
US-09-498-272-145

  Query Match             57.7%;  Score 15;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 16
US-09-498-272-173
; Sequence 173, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;         APPLICANT: Vlasuk, George Phillip
;                    Stanssens, Patrick Eric Hugo
;                    Messens, Joris Hilda Lieven
;                    Lauwereys, Marc Josef
;                    Laroche, Yves Rene
;                    Jespers, Laurent Stephane
;                    Gansemans, Yannick Georges Jozef
;                    Moyle, Matthew
;                    Bergum, Peter W.
;         TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                             INHIBITORS AND ANTICOAGULANT
;                             PROTEIN
;         NUMBER OF SEQUENCES: 356
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Lyon & Lyon
;              STREET: 633 West Fifth Street
;                      Suite 4700
;              CITY: Los Angeles
;              STATE: California
;              COUNTRY: U.S.A.
;              ZIP: 90071
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                           storage
;              COMPUTER: IBM Compatible
;              OPERATING SYSTEM: IBM P.C. DOS 5.0
;              SOFTWARE: Word Perfect 5.1
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/498,272
;              FILING DATE: 04-Feb-2000
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: PCT/US95/13231
;              FILING DATE: October 17, 1995
;              APPLICATION NUMBER: 08/486,399
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/486,397
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/465,380
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/461,965
;              FILING DATE: June 5, 1995
;              APPLICATION NUMBER: 08/326,110
;              FILING DATE: October 18, 1994
;         ATTORNEY/AGENT INFORMATION:
;              NAME: BIGGS, SUZANNE L.
;              REGISTRATION NUMBER: 30,158
;              REFERENCE/DOCKET NUMBER: 216/270
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (213) 489-1600
;              TELEFAX: (213) 955-0440
;              TELEX: 67-3510
;    INFORMATION FOR SEQ ID NO: 173:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 10 amino acids
;              TYPE: amino acid
;              TOPOLOGY: linear
;         FRAGMENT TYPE: internal fragment
;         FEATURE:
;              OTHER INFORMATION:   Xaa in locations 1 to 3 and
;              locations 5 to 10 is an amino
;              acid.
;         SEQUENCE DESCRIPTION: SEQ ID NO: 173:
US-09-498-272-173

  Query Match             57.7%;  Score 15;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 17
US-09-498-272-222
; Sequence 222, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;         APPLICANT: Vlasuk, George Phillip
;                    Stanssens, Patrick Eric Hugo
;                    Messens, Joris Hilda Lieven
;                    Lauwereys, Marc Josef
;                    Laroche, Yves Rene
;                    Jespers, Laurent Stephane
```

```
;                 Gansemans, Yannick Georges Jozef
;                 Moyle, Matthew
;                 Bergum, Peter W.
;       TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                           INHIBITORS AND ANTICOAGULANT
;                           PROTEIN
;       NUMBER OF SEQUENCES: 356
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Lyon & Lyon
;            STREET: 633 West Fifth Street
;                    Suite 4700
;            CITY: Los Angeles
;            STATE: California
;            COUNTRY: U.S.A.
;            ZIP: 90071
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                         storage
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: IBM P.C. DOS 5.0
;            SOFTWARE: Word Perfect 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/498,272
;            FILING DATE: 04-Feb-2000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US95/13231
;            FILING DATE: October 17, 1995
;            APPLICATION NUMBER: 08/486,399
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/486,397
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/465,380
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/461,965
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/326,110
;            FILING DATE: October 18, 1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BIGGS, SUZANNE L.
;            REGISTRATION NUMBER: 30,158
;            REFERENCE/DOCKET NUMBER: 216/270
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (213) 489-1600
;            TELEFAX: (213) 955-0440
;            TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 222:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 10 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       FRAGMENT TYPE: internal fragment
;       FEATURE:
;            OTHER INFORMATION:   Xaa in locations 1 to 3 and
;            locations 5 to 10 is an amino
;            acid.
;       SEQUENCE DESCRIPTION: SEQ ID NO: 222:
US-09-498-272-222

  Query Match             57.7%;  Score 15;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 18
US-09-498-272-271
; Sequence 271, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;       APPLICANT: Vlasuk, George Phillip
;                  Stanssens, Patrick Eric Hugo
;                  Messens, Joris Hilda Lieven
;                  Lauwereys, Marc Josef
;                  Laroche, Yves Rene
;                  Jespers, Laurent Stephane
;                  Gansemans, Yannick Georges Jozef
;                  Moyle, Matthew
;                  Bergum, Peter W.
;       TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                           INHIBITORS AND ANTICOAGULANT
;                           PROTEIN
;       NUMBER OF SEQUENCES: 356
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Lyon & Lyon
;            STREET: 633 West Fifth Street
;                    Suite 4700
;            CITY: Los Angeles
;            STATE: California
;            COUNTRY: U.S.A.
;            ZIP: 90071
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                         storage
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: IBM P.C. DOS 5.0
;            SOFTWARE: Word Perfect 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/498,272
;            FILING DATE: 04-Feb-2000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US95/13231
;            FILING DATE: October 17, 1995
;            APPLICATION NUMBER: 08/486,399
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/486,397
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/465,380
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/461,965
;            FILING DATE: June 5, 1995
;            APPLICATION NUMBER: 08/326,110
;            FILING DATE: October 18, 1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BIGGS, SUZANNE L.
;            REGISTRATION NUMBER: 30,158
;            REFERENCE/DOCKET NUMBER: 216/270
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (213) 489-1600
;            TELEFAX: (213) 955-0440
;            TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 271:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 10 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       FRAGMENT TYPE: internal fragment
;       FEATURE:
;            OTHER INFORMATION:   Xaa in locations 1 to 3 and
;            locations 5 to 10 is an amino
;            acid.
;       SEQUENCE DESCRIPTION: SEQ ID NO: 271:
US-09-498-272-271

  Query Match             57.7%;  Score 15;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 19
```

```
US-09-498-272-325
; Sequence 325, Application US/09498272
; Publication No. US20030113890A1
;   GENERAL INFORMATION:
;        APPLICANT: Vlasuk, George Phillip
;                   Stanssens, Patrick Eric Hugo
;                   Messens, Joris Hilda Lieven
;                   Lauwereys, Marc Josef
;                   Laroche, Yves Rene
;                   Jespers, Laurent Stephane
;                   Gansemans, Yannick Georges Jozef
;                   Moyle, Matthew
;                   Bergum, Peter W.
;        TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;                            INHIBITORS AND ANTICOAGULANT
;                            PROTEIN
;        NUMBER OF SEQUENCES: 356
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/498,272
;             FILING DATE: 04-Feb-2000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/US95/13231
;             FILING DATE: October 17, 1995
;             APPLICATION NUMBER: 08/486,399
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/486,397
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/465,380
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/461,965
;             FILING DATE: June 5, 1995
;             APPLICATION NUMBER: 08/326,110
;             FILING DATE: October 18, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BIGGS, SUZANNE L.
;             REGISTRATION NUMBER: 30,158
;             REFERENCE/DOCKET NUMBER: 216/270
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 325:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        FRAGMENT TYPE: internal fragment
;        FEATURE:
;             OTHER INFORMATION:   Xaa in locations 1 to 3 and
;             locations 5 to 10 is an amino
;             acid.
;        SEQUENCE DESCRIPTION: SEQ ID NO: 325:
US-09-498-272-325

  Query Match             57.7%;  Score 15;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          4 CXXXXXX 10


RESULT 20
US-09-861-101-6
; Sequence 6, Application US/09861101
; Publication No. US20030018984A1
;   GENERAL INFORMATION:
;        APPLICANT: COLEMAN, MICHAEL
;                   SCHWARTZ, ROBERT
;                   DEMAYO, FRANCESCO J.
;        TITLE OF INVENTION: IGF-1 EXPRESSION SYSTEM AND
;                            METHODS OF USE
;        NUMBER OF SEQUENCES: 6
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071-2066
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: FastSEQ for Windows 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/861,101
;             FILING DATE: 18-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/974,572
;             FILING DATE: November 19, 1997
;             APPLICATION NUMBER: 60/031,539
;             FILING DATE: December 2, 1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 230/185-PCT
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        FEATURE:
;             OTHER INFORMATION:    "Xaa" stands for either Ala or Thr.
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-861-101-6

  Query Match             57.7%;  Score 15;  DB 12;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          2 CXXXXXX 8


RESULT 21
US-10-297-229-1
; Sequence 1, Application US/10297229
; Publication No. US20030220245A1
; GENERAL INFORMATION:
;  APPLICANT: HUBBELL, Jeffrey A.
```

```
;  APPLICANT:  ELBERT, Donald
;  APPLICANT:  SCHOENMAKERS, Ronald
;  TITLE OF INVENTION: CONJUGATE ADDITION REACTIONS FOR THE
;  TITLE OF INVENTION:  CONTROLLED DELIVERY OF PHARMACEUTICALLY ACTIVE COMPOUNDS
;  FILE REFERENCE: 50154/003002
;  CURRENT APPLICATION NUMBER: US/10/297,229
;  CURRENT FILING DATE:  2002-10-02
;  PRIOR APPLICATION NUMBER: PCT/US01/18101
;  PRIOR FILING DATE: 2001-06-04
;  PRIOR APPLICATION NUMBER: US 09/586,937
;  PRIOR FILING DATE: 2000-06-02
;  NUMBER OF SEQ ID NOS: 77
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Based on Homo sapiens
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(10)
;   OTHER INFORMATION: Xaa=any amino acid except Cys
US-10-297-229-1

  Query Match             57.7%;  Score 15;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXX 7
              |||||||
Db          2 CXXXXXX 8


RESULT 22
US-10-013-815-74
; Sequence 74, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
;  APPLICANT: Pero, Stephanie
;  APPLICANT:  Krag, David
;  APPLICANT:  Oligino, Lyn
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
;  FILE REFERENCE: V0139/7048 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/013,815
;  CURRENT FILING DATE:  2001-11-05
;  PRIOR APPLICATION NUMBER: US 60/245,755
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: One Embodiment of General Formula
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (3)..(3)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(9)
;   OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-74

  Query Match             53.8%;  Score 14;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+03;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          5 XXXXXC 10
              ||||||
Db          5 XXXXXC 10


RESULT 23
US-10-013-815-79
; Sequence 79, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
;  APPLICANT: Pero, Stephanie
;  APPLICANT:  Krag, David
;  APPLICANT:  Oligino, Lyn
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
;  FILE REFERENCE: V0139/7048 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/013,815
;  CURRENT FILING DATE:  2001-11-05
;  PRIOR APPLICATION NUMBER: US 60/245,755
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: One Embodiment of General Formula
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(6)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-79

  Query Match             53.8%;  Score 14;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+03;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXX 6
              ||||||
Db          1 CXXXXX 6


RESULT 24
US-09-781-988-19
; Sequence 19, Application US/09781988
; Patent No. US20020150881A1
;   GENERAL INFORMATION:
;        APPLICANT: Ladner, Robert Charles
;                   Guterman, Sonia Kosow
;                   Roberts, Bruce Lindsay
;                   Markland, William
;                   Ley, Arthur Charles
;                   Kent, Rachel Baribault
;        TITLE OF INVENTION: Directed Evolution of No. US20020150881A1el
;                            Binding Proteins
;        NUMBER OF SEQUENCES: 121
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Browdy and Neimark
;             STREET: 419 Seventh Street, N.W.
;                     Suite 300
;             CITY: Washington,
;             STATE: DC
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WORDPERFECT 4.2
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/781,988
;             FILING DATE: 14-Feb-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 07/664,989
;             FILING DATE: <Unknown>
;
```

```
;             APPLICATION NUMBER: 07/487,063
;             FILING DATE: 02-MAR-1990
;             APPLICATION NUMBER: 07/240,160
;             FILING DATE: 02-SEP-1988
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Cooper, Iver P.
;             REGISTRATION NUMBER: 28005
;             REFERENCE/DOCKET NUMBER: LADNER 7
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 19:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-781-988-19

  Query Match             50.0%;  Score 13;  DB 9;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 25
US-09-858-935B-67
; Sequence 67, Application US/09858935B
; Publication No. US20030069177A1
; GENERAL INFORMATION:
;  APPLICANT: Dubaquie, Yves
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Lowman, Henry B.
;  TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
;  FILE REFERENCE: P1794R1
;  CURRENT APPLICATION NUMBER: US/09/858,935B
;  CURRENT FILING DATE:  2002-07-02
;  PRIOR APPLICATION NUMBER: US 60/248,985
;  PRIOR FILING DATE: 2000-11-15
;  PRIOR APPLICATION NUMBER: US 60/204,490
;  PRIOR FILING DATE: 2000-05-16
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 67
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   FEATURE:
;   NAME/KEY: Xaa
;   LOCATION: 2-3, 6-9
;   OTHER INFORMATION: Unknown amino acid
US-09-858-935B-67

  Query Match             50.0%;  Score 13;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 26
US-09-893-878-19
; Sequence 19, Application US/09893878
; Publication No. US20030113717A1
;   GENERAL INFORMATION:
;        APPLICANT: Ladner, Robert Charles
;                   Guterman, Sonia Kosow
;                   Roberts, Bruce Lindsay
;                   Markland, William
;                   Ley, Arthur Charles
;                   Kent, Rachel Baribault
;        TITLE OF INVENTION: Directed Evolution of No. US20030113717A1el
;                            Binding Proteins
;        NUMBER OF SEQUENCES: 121
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Browdy and Neimark
;             STREET: 419 Seventh Street, N.W.
;                     Suite 300
;             CITY: Washington,
;             STATE: DC
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WORDPERFECT 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/893,878
;             FILING DATE: 29-Jun-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/009,319
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 07/664,989
;             FILING DATE: 01-MAR-1991
;             APPLICATION NUMBER: PCT/US89/03731
;             FILING DATE: 01-SEP-1989
;             APPLICATION NUMBER: 07/487,063
;             FILING DATE: 02-MAR-1990
;             APPLICATION NUMBER: 07/240,160
;             FILING DATE: 02-SEP-1988
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Cooper, Iver P.
;             REGISTRATION NUMBER: 28005
;             REFERENCE/DOCKET NUMBER: LADNER 7
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 19:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-893-878-19

  Query Match             50.0%;  Score 13;  DB 10;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 27
US-09-896-095-19
; Sequence 19, Application US/09896095
; Publication No. US20030219886A1
; GENERAL INFORMATION:
;  APPLICANT: LADNER, Charles C.
;  APPLICANT:  GUTERMAN, Sonia K.
;  APPLICANT:  ROBERTS, Bruce L.
;  APPLICANT:  MARKLAND, William
;  APPLICANT:  LEY, Arthur C.
;  APPLICANT:  KENT, Rachel B.
;  TITLE OF INVENTION: DIRECTED EVOLUTION OF NOVEL BINDING PROTEINS
```

```
;  FILE REFERENCE: LADNER=7L
;  CURRENT APPLICATION NUMBER: US/09/896,095
;  CURRENT FILING DATE:  2001-06-29
;  PRIOR APPLICATION NUMBER: 08/415,922
;  PRIOR FILING DATE: 1995-03-04
;  PRIOR APPLICATION NUMBER: 08/009,319
;  PRIOR FILING DATE: 1993-01-26
;  PRIOR APPLICATION NUMBER: 07/664,989
;  PRIOR FILING DATE: 1991-03-01
;  PRIOR APPLICATION NUMBER: 08/993,776
;  PRIOR FILING DATE: 1997-12-18
;  NUMBER OF SEQ ID NOS: 274
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: synthetic - Class I microprotein library
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(2)
;   OTHER INFORMATION: Xaa can be any naturally occurring amino acid
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (4)..(7)
;   OTHER INFORMATION: Xaa can be any naturally occurring amino acid
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(10)
;   OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-09-896-095-19

  Query Match             50.0%;  Score 13;  DB 11;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 28
US-10-271-869-67
; Sequence 67, Application US/10271869
; Publication No. US20030211992A1
; GENERAL INFORMATION:
;  APPLICANT: Dubaquie, Yves
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Lowman, Henry B.
;  TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
;  FILE REFERENCE: P1794R1
;  CURRENT APPLICATION NUMBER: US/10/271,869
;  CURRENT FILING DATE:  2002-10-16
;  PRIOR APPLICATION NUMBER: US/09/858,935
;  PRIOR FILING DATE: 2002-07-02
;  PRIOR APPLICATION NUMBER: US 60/248,985
;  PRIOR FILING DATE: 2000-11-15
;  PRIOR APPLICATION NUMBER: US 60/204,490
;  PRIOR FILING DATE: 2000-05-16
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 67
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   FEATURE:
;   NAME/KEY: Xaa
;   LOCATION: 2-3, 6-9
;   OTHER INFORMATION: Unknown amino acid
US-10-271-869-67

  Query Match             50.0%;  Score 13;  DB 12;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 29
US-10-098-093-18
; Sequence 18, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
;  APPLICANT: Deshayes, Kurt D.
;  APPLICANT:  Lowman, Henry B.
;  APPLICANT:  Schaffer, Michelle L.
;  APPLICANT:  Sidhu, Sachdev S.
;  TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
;  FILE REFERENCE: P1863R1
;  CURRENT APPLICATION NUMBER: US/10/098,093
;  CURRENT FILING DATE:  2002-03-13
;  PRIOR APPLICATION NUMBER: US 60/275,904
;  PRIOR FILING DATE: 2001-03-14
;  NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 18
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   NAME/KEY: Xaa
;   LOCATION: 2-3, 6-9
;   OTHER INFORMATION: Unknown amino acid
US-10-098-093-18

  Query Match             50.0%;  Score 13;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 30
US-10-098-093-26
; Sequence 26, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
;  APPLICANT: Deshayes, Kurt D.
;  APPLICANT:  Lowman, Henry B.
;  APPLICANT:  Schaffer, Michelle L.
;  APPLICANT:  Sidhu, Sachdev S.
;  TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
;  FILE REFERENCE: P1863R1
;  CURRENT APPLICATION NUMBER: US/10/098,093
;  CURRENT FILING DATE:  2002-03-13
;  PRIOR APPLICATION NUMBER: US 60/275,904
;  PRIOR FILING DATE: 2001-03-14
;  NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 26
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Sequence is synthesized
;   NAME/KEY: Xaa
;   LOCATION: 1-2, 4-7, 9-10
;   OTHER INFORMATION: Unknown amino acid
US-10-098-093-26

  Query Match             50.0%;  Score 13;  DB 14;  Length 10;
```

```
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 31
US-10-013-815-75
; Sequence 75, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
;  APPLICANT: Pero, Stephanie
;  APPLICANT:  Krag, David
;  APPLICANT:  Oligino, Lyn
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
;  FILE REFERENCE: V0139/7048 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/013,815
;  CURRENT FILING DATE:  2001-11-05
;  PRIOR APPLICATION NUMBER: US 60/245,755
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: One Embodiment of General Formula
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (4)..(4)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(9)
;   OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-75

  Query Match             50.0%;  Score 13;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 32
US-10-013-815-78
; Sequence 78, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
;  APPLICANT: Pero, Stephanie
;  APPLICANT:  Krag, David
;  APPLICANT:  Oligino, Lyn
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
;  FILE REFERENCE: V0139/7048 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/013,815
;  CURRENT FILING DATE:  2001-11-05
;  PRIOR APPLICATION NUMBER: US 60/245,755
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: One Embodiment of General Formula
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(5)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (7)..(7)
;   OTHER INFORMATION: Xaa = any amino acid
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-78

  Query Match             50.0%;  Score 13;  DB 14;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          1 CXXXX 5


RESULT 33
US-10-126-685-19
; Sequence 19, Application US/10126685
; Publication No. US20030219722A1
;   GENERAL INFORMATION:
;        APPLICANT: Ladner, Robert Charles
;                   Guterman, Sonia Kosow
;                   Roberts, Bruce Lindsay
;                   Markland, William
;                   Ley, Arthur Charles
;                   Kent, Rachel Baribault
;        TITLE OF INVENTION: Directed Evolution of No. US20030219722A1el
;                            Binding Proteins
;        NUMBER OF SEQUENCES: 121
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Browdy and Neimark
;             STREET: 419 Seventh Street, N.W.
;                     Suite 300
;             CITY: Washington,
;             STATE: DC
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WORDPERFECT 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/126,685
;             FILING DATE: 22-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/009,319
;             FILING DATE: 1993-01-26
;             APPLICATION NUMBER: 07/664,989
;             FILING DATE: 01-MAR-1991
;             APPLICATION NUMBER: PCT/US89/03731
;             FILING DATE: 01-SEP-1989
;             APPLICATION NUMBER: 07/487,063
;             FILING DATE: 02-MAR-1990
;             APPLICATION NUMBER: 07/240,160
;             FILING DATE: 02-SEP-1988
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Cooper, Iver P.
;             REGISTRATION NUMBER: 28005
;             REFERENCE/DOCKET NUMBER: LADNER 7
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 19:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 10 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
```

```
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-126-685-19

  Query Match             50.0%;  Score 13;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 34
US-10-186-229-21
; Sequence 21, Application US/10186229
; Publication No. US20040001827A1
; GENERAL INFORMATION:
;  APPLICANT: Dennis, Mark S.
;  TITLE OF INVENTION: SERUM ALBUMIN BINDING PEPTIDES FOR TUMOR TARGETING
;  FILE REFERENCE: 11669.108US01
;  CURRENT APPLICATION NUMBER: US/10/186,229
;  CURRENT FILING DATE:  2002-06-28
;  NUMBER OF SEQ ID NOS: 425
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Peptides
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (2)..(3)
;   OTHER INFORMATION: Xaa is any naturally occurring L-amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (6)..(9)
;   OTHER INFORMATION: Xaa is any naturally occurring L-amino acid
US-10-186-229-21

  Query Match             50.0%;  Score 13;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 35
US-10-127-028-19
; Sequence 19, Application US/10127028
; Publication No. US20040005539A1
;   GENERAL INFORMATION:
;       APPLICANT: Ladner, Robert Charles
;                  Guterman, Sonia Kosow
;                  Roberts, Bruce Lindsay
;                  Markland, William
;                  Ley, Arthur Charles
;                  Kent, Rachel Baribault
;       TITLE OF INVENTION: Directed Evolution of No. US20040005539A1el
;                           Binding Proteins
;       NUMBER OF SEQUENCES: 121
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Browdy and Neimark
;            STREET: 419 Seventh Street, N.W.
;                    Suite 300
;            CITY: Washington,
;            STATE: DC
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: WORDPERFECT 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/127,028
;            FILING DATE: 22-Apr-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/009,319
;            FILING DATE: 1993-01-26
;            APPLICATION NUMBER: 07/664,989
;            FILING DATE: 01-MAR-1991
;            APPLICATION NUMBER: PCT/US89/03731
;            FILING DATE: 01-SEP-1989
;            APPLICATION NUMBER: 07/487,063
;            FILING DATE: 02-MAR-1990
;            APPLICATION NUMBER: 07/240,160
;            FILING DATE: 02-SEP-1988
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Cooper, Iver P.
;            REGISTRATION NUMBER: 28005
;            REFERENCE/DOCKET NUMBER: LADNER 7
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-628-5197
;            TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 19:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 10 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-127-028-19

  Query Match             50.0%;  Score 13;  DB 15;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 36
US-10-126-544-19
; Sequence 19, Application US/10126544
; Publication No. US20040023205A1
;   GENERAL INFORMATION:
;       APPLICANT: Ladner, Robert Charles
;                  Guterman, Sonia Kosow
;                  Roberts, Bruce Lindsay
;                  Markland, William
;                  Ley, Arthur Charles
;                  Kent, Rachel Baribault
;       TITLE OF INVENTION: Directed Evolution of No. US20040023205A1el
;                           Binding Proteins
;       NUMBER OF SEQUENCES: 121
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Browdy and Neimark
;            STREET: 419 Seventh Street, N.W.
;                    Suite 300
;            CITY: Washington,
;            STATE: DC
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: WORDPERFECT 5.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/126,544
```

```
;              FILING DATE: 22-Apr-2002
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US/08/009,319
;              FILING DATE: 1993-01-26
;              APPLICATION NUMBER: 07/664,989
;              FILING DATE: 01-MAR-1991
;              APPLICATION NUMBER: PCT/US89/03731
;              FILING DATE: 01-SEP-1989
;              APPLICATION NUMBER: 07/487,063
;              FILING DATE: 02-MAR-1990
;              APPLICATION NUMBER: 07/240,160
;              FILING DATE: 02-SEP-1988
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Cooper, Iver P.
;              REGISTRATION NUMBER: 28005
;              REFERENCE/DOCKET NUMBER: LADNER 7
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: 202-628-5197
;              TELEFAX: 202-737-3528
;    INFORMATION FOR SEQ ID NO: 19:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 10 amino acids
;              TYPE: amino acid
;              TOPOLOGY: linear
;         MOLECULE TYPE: protein
;         SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-126-544-19

  Query Match             50.0%;  Score 13;  DB 16;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 8.3e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


Search completed: May  4, 2004, 06:58:52
Job time : 41 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 4, 2004, 06:50:57 ; Search time 52 Seconds
(without alignments)
54.336 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 28

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	100.0	10	5	AAU70627	Aau70627 Carcinoem
2	26	100.0	10	5	AAU70520	Aau70520 Carcinoem
3	26	100.0	10	5	ABP53930	Abp53930 VEGFR-3 b
4	26	100.0	10	5	ABJ00553	Abj00553 B lymphoc
5	26	100.0	10	5	AAU79402	Aau79402 G-CSFR bi
6	26	100.0	10	5	ABG33414	Abg33414 B Lymphoc
7	26	100.0	10	5	AAU98179	Aau98179 Prostate
8	16	61.5	10	7	ADE37057	Ade37057 CX7C libr
9	15	57.7	10	2	AAR88384	Aar88384 Influenza
10	15	57.7	10	3	AAB01531	Aab01531 Degenerat
11	15	57.7	10	5	AAU85661	Aau85661 Nucleophi
12	15	57.7	10	6	AAE31886	Aae31886 Androgen
13	14	53.8	10	4	AAB73068	Aab73068 Protein t
14	14	53.8	10	5	ABG68466	Abg68466 Growth fa
15	14	53.8	10	5	ABG68461	Abg68461 Growth fa
16	13	50.0	10	2	AAR76827	Aar76827 Generic g
17	13	50.0	10	4	AAB31822	Aab31822 Synthetic
18	13	50.0	10	4	AAG63739	Aag63739 Peptide l
19	13	50.0	10	5	ABG68465	Abg68465 Growth fa
20	13	50.0	10	5	ABG68462	Abg68462 Growth fa
21	13	50.0	10	5	ABB57651	Abb57651 Peptide m
22	13	50.0	10	5	ABG66157	Abg66157 Represent
23	13	50.0	10	5	AAE19557	Aae19557 Gammaherp
24	13	50.0	10	5	ABJ15256	Abj15256 Insulin-l
25	13	50.0	10	6	ABR41963	Abr41963 Peptide w
26	13	50.0	10	6	AAE36134	Aae36134 Peptide w
27	13	50.0	10	6	AAE30352	Aae30352 Peptide #
28	13	50.0	10	7	ADD84811	Add84811 Synthetic

ALIGNMENTS

RESULT 1
AAU70627
ID AAU70627 standard; peptide; 10 AA.
XX
AC AAU70627;
XX
DT 14-FEB-2002 (first entry)
XX
DE Carcinoembryonic antigen representative binding peptide #4.
XX
KW Carcinoembryonic antigen; CEA; non-specific cross-reacting antigen; NCA;
KW adenocarcinoma; cancer; tumour; immunoreactive glycoprotein; indium;
KW technetium; cytostatic; phage display.
XX
OS Synthetic.
XX
PN WO200174849-A2.
XX
PD 11-OCT-2001.
XX
PF 03-APR-2001; 2001WO-US010689.
XX
PR 03-APR-2000; 2000US-00541345.
XX
PA (DYAX-) DYAX CORP.
XX
PI Rondon IJ, Ladner RC;
XX
DR WPI; 2002-049088/06.
XX
PT Novel carcinoembryonic antigen binding peptides for detecting, imaging,
PT localizing and targeting tumors exhibiting the antigen, especially for
PT treating colon cancer in humans and animals.
XX
PS Claim 1; Page 45; 119pp; English.
XX
CC The invention relates to a polypeptide having the ability to bind
CC carcinoembryonic antigen (CEA, an immunoreactive glycoprotein) which is
CC overexpressed in adenocarcinomas of endodermally derived digestive system
CC epithelia and foetal colon. The peptides do not react with non-specific
CC cross-reacting antigen NCA. The peptides, labeled with a radioactive
CC compound, such as indium or technetium are useful for detecting CEA in a
CC subject, which is indicative of CEA-associated disease and may be
CC conjugated with a therapeutic agent such as radioactive or
CC chemotherapeutic agent, toxin or enzyme is useful for treating a CEA
CC associated disease such as colon, lung, breast, cervical, ovarian,
CC stomach, bladder, pancreatic or oesophageal cancer in a subject. The
CC peptides are useful for imaging, localising and targeting tumours
CC exhibiting CEA by radioimaging, magnetic resonance imaging or X-ray
CC imaging. Phage products displaying the peptides are also useful for
CC detection and diagnosis of cancer associated with the expression of CEA
CC in cells and tissues. The present sequence is a representative peptide,
CC or an example of a library, of the CEA binding peptides of the invention
XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

```
RESULT 2
AAU70520
ID   AAU70520 standard; peptide; 10 AA.
XX
AC   AAU70520;
XX
DT   14-FEB-2002  (first entry)
XX
DE   Carcinoembryonic antigen representative binding peptide #3.
XX
KW   Carcinoembryonic antigen; CEA; non-specific cross-reacting antigen; NCA;
KW   adenocarcinoma; cancer; tumour; immunoreactive glycoprotein; indium;
KW   technetium; cytostatic; phage display.
XX
OS   Synthetic.
XX
PN   WO200174849-A2.
XX
PD   11-OCT-2001.
XX
PF   03-APR-2001; 2001WO-US010689.
XX
PR   03-APR-2000; 2000US-00541345.
XX
PA   (DYAX-) DYAX CORP.
XX
PI   Rondon IJ,  Ladner RC;
XX
DR   WPI; 2002-049088/06.
XX
PT   Novel carcinoembryonic antigen binding peptides for detecting, imaging,
PT   localizing and targeting tumors exhibiting the antigen, especially for
PT   treating colon cancer in humans and animals.
XX
PS   Claim 3; Page 46; 119pp; English.
XX
CC   The invention relates to a polypeptide having the ability to bind
CC   carcinoembryonic antigen (CEA, an immunoreactive glycoprotein) which is
CC   overexpressed in adenocarcinomas of endodermally derived digestive system
CC   epithelia and foetal colon. The peptides do not react with non-specific
CC   cross-reacting antigen NCA. The peptides, labeled with a radioactive
CC   compound, such as indium or technetium are useful for detecting CEA in a
CC   subject, which is indicative of CEA-associated disease and may be
CC   conjugated with a therapeutic agent such as radioactive or
CC   chemotherapeutic agent, toxin or enzyme is useful for treating a CEA
CC   associated disease such as colon, lung, breast, cervical, ovarian,
CC   stomach, bladder, pancreatic or oesophageal cancer in a subject. The
CC   peptides are useful for imaging, localising and targeting tumours
CC   exhibiting CEA by radioimaging, magnetic resonance imaging or X-ray
CC   imaging. Phage products displaying the peptides are also useful for
CC   detection and diagnosis of cancer associated with the expression of CEA
CC   in cells and tissues. The present sequence is a representative peptide,
CC   or an example of a library, of the CEA binding peptides of the invention
XX
SQ   Sequence 10 AA;

  Query Match             100.0%;  Score 26;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 3
ABP53930
ID   ABP53930 standard; peptide; 10 AA.
XX
AC   ABP53930;
XX
DT   09-JAN-2003  (first entry)
XX
DE   VEGFR-3 binding peptide SEQ ID NO:33.
XX
KW   Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW   angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW   cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW   vulnerary; cell surface receptor; cancer; neovascularisation;
KW   liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW   diabetes; PDGF; platelet derived growth factor.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 2
FT                   /note= "X is glycine or a conservative substitution"
FT   Misc-difference 3
FT                   /note= "X is tyrosine or a conservative substitution"
FT   Misc-difference 4
FT                   /note= "X is tryptophan or a conservative substitution"
FT   Misc-difference 5
FT                   /note= "X is leucine or a conservative substitution"
FT   Misc-difference 6
FT                   /note= "X is threonine or a conservative substitution"
FT   Misc-difference 7
FT                   /note= "X is isoleucine or a conservative substitution"
FT   Misc-difference 8
FT                   /note= "X is tryptophan or a conservative substitution"
FT   Misc-difference 9
FT                   /note= "X is glycine or a conservative substitution"
XX
PN   WO200257299-A2.
XX
PD   25-JUL-2002.
XX
PF   16-JAN-2002; 2002WO-IB000099.
XX
PR   17-JAN-2001; 2001US-0262476P.
XX
PA   (LUDW-) LUDWIG INST CANCER RES.
PA   (LICN ) LICENTIA LTD.
XX
PI   Alitalo K,  Koivunen E,  Kubo H;
XX
DR   WPI; 2002-691521/74.
XX
PT   New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT   diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT   such as cancer and diseases of neovascularization.
XX
PS   Claim 3; Page 78; 149pp; English.
XX
CC   The present invention describes an isolated peptide (I) that binds to and
CC   inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC   have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC   antidiabetic and vulnerary activities, and can be used in gene therapy.
CC   Compositions and methods from the present invention are useful for
CC   diagnosing, evaluating and treating disorders mediated by the activity of
CC   the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC   liver, spleen, kidney, lymph node, small intestine, blood cells,
CC   pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC   skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC   neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC   chronic hepatitis, haemangiomas and diabetes. The present sequence
CC   represents a specifically claimed VEGFR-3 binding peptide from the
CC   present invention
XX
SQ   Sequence 10 AA;

  Query Match             100.0%;  Score 26;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
```

```
                  ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 4
ABJ00553
ID   ABJ00553 standard; peptide; 10 AA.
XX
AC   ABJ00553;
XX
DT   05-SEP-2002  (first entry)
XX
DE   B lymphocyte stimulator protein binding peptide #4.
XX
KW   B lymphocyte stimulator protein binding protein; BLyS; immune disease;
KW   allergy; proliferative disease; infectious disease; arteriosclerosis;
KW   inflammatory disorder; hypergammaglobulinaemia; blood clotting;
KW   ischaemia; graft-versus-host disease; neurodegenerative disease;
KW   immunosuppressive; nephrotropic; antirheumatic; antiarthritic;
KW   neuroprotective; cytostatic; immunostimulant; antitumour; anti-HIV;
KW   antiasthmatic; antiallergic; thyromimetic; antianaemic; haemostatic;
KW   dermatological; antiinflammatory; cardiant; ophthalmological; uropathic;
KW   antidiabetic; antithyroid; antidepressant; hepatotropic.
XX
OS   Unidentified.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 2
FT                   /label= Asp, Gln, His, Ile, Leu, Lys, Met, Phe, Thr
FT   Misc-difference 3
FT                   /label= His, Ile, Leu, Met, Phe, Pro, Tyr, Trp
FT   Misc-difference 4
FT                   /label= Asp, His, Leu, Ser
FT   Misc-difference 5
FT                   /label= Ala, Arg, Asp, Glu, Leu, Phe, Pro, Thr
FT   Misc-difference 6
FT                   /label= Ala, Arg, Asn, Leu
FT   Misc-difference 7
FT                   /label= Ile, Leu, Met, Pro, Ser, Thr
FT   Misc-difference 8
FT                   /label= Ala, Arg, Asn, Gly, His, Lys, Ser, Tyr
FT   Misc-difference 9
FT                   /label= Ala, Asn, Arg, Gln, Leu, Met, Ser, Trp, Tyr, Val
XX
PN   WO200216411-A2.
XX
PD   28-FEB-2002.
XX
PF   17-AUG-2001; 2001WO-US025850.
XX
PR   18-AUG-2000; 2000US-0226700P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Beltzer JP,  Potter DM,  Fleming TL,  Rosen CA;
XX
DR   WPI; 2002-499775/53.
XX
PT   The treatment of various diseases e.g. rheumatoid arthritis, comprises
PT   administering B Lymphocyte stimulator binding polypeptide.
XX
PS   Claim 69; Page 234; 387pp; English.
XX
CC   The present invention relates to the treatment, prevention or
CC   amelioration of a disease or disorder associated with: aberrant B
CC   lymphocyte stimulator (BLyS), BLyS receptor expression or activity; cells
CC   of haematopoietic origin; or proliferative disease; and reducing,
CC   inhibiting or stimulating immunoglobulin production, B cell proliferation
CC   and graft rejection involving administration of BLyS binding polypeptide.
CC   The BLyS binding polypeptides are used in the treatment, prevention or
CC   amelioration of diseases such as immune system diseases, proliferative
CC   diseases, diseases of cells of hematopoietic origin, graft rejection,
CC   allergies, infectious diseases, arteriosclerosis, inflammatory disorders,
CC   hypergammaglobulinaemia, blood clotting disorders, ischaemia, and
CC   neurodegenerative diseases. The present sequence is a B lymphocyte
CC   stimulator protein binding peptide
XX
SQ   Sequence 10 AA;

  Query Match             100.0%;  Score 26;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
                ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 5
AAU79402
ID   AAU79402 standard; peptide; 10 AA.
XX
AC   AAU79402;
XX
DT   02-JUL-2002  (first entry)
XX
DE   G-CSFR binding generic peptide #1.
XX
KW   G-CSFR; granulocyte-colony stimulating factor receptor; cytokine;
KW   haematopoietic growth factor; neutrophil proliferation; AIDS;
KW   neutrophil differentiation; acquired immunodeficiency syndrome;
KW   chemotherapy-induced neutropaenia; community acquired pneumonia;
KW   depressed neutrophil count; immunostimulant.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 2
FT                   /label= Ala, Asn, Ser, Phe, Asp, Gly, Leu, Thr, Glu, Val,
FT                   Pro, Gln, His, Met, Lys
FT                   /note= "Especially Asp or Pro"
FT   Misc-difference 3
FT                   /label= Met, Gly, Arg, His, Asp, Ile, Val, Ala, Ser, Glu,
FT                   Asn, Phe, Tyr, Pro, Cys, Trp, Thr
FT                   /note= "Especially Asp or Pro"
FT   Misc-difference 4
FT                   /label= Glu, Val, Trp, Phe, Met, Ala, Asn, Ser, Leu, Thr,
FT                   Tyr, Gly, Pro
FT                   /note= "Especially Glu or Trp"
FT   Misc-difference 5
FT                   /label= Val, Ile, Gly, Gln, Trp, Met, Thr, Tyr, Pro, Leu,
FT                   Asp, Cys, Glu, Ala
FT                   /note= "Especially Val, Ile or Tyr"
FT   Misc-difference 6
FT                   /label= Met, Glu, Trp, Leu, Pro, Asn, Ile, Thr, Val, Phe,
FT                   Tyr, Gln, Ser, Arg, Gly, His, Asp
FT                   /note= "Especially Met or Leu"
FT   Misc-difference 7
FT                   /label= His, Ala, Trp, Tyr, Val, Phe, Gln, Met, Asn, Glu,
FT                   Ser, Asp, Pro, Gly
FT                   /note= "Especially Trp, Tyr or Phe"
FT   Misc-difference 8
FT                   /label= Met, Phe, Tyr, Val, Asn, Leu, His, Asp, Ser, Trp,
FT                   Gly, Gln, Cys, Thr
FT                   /note= "Especially Met, Tyr or Asp"
FT   Misc-difference 9
FT                   /label= Cys, Tyr, Arg, Ile, Lys, Trp, Leu, Glu, Met, His,
FT                   Ala, Thr, Phe, Asp, Pro, Gly, Gln
FT                   /note= "Especially Cys or Met"
XX
PN   WO200207676-A2.
XX
PD   31-JAN-2002.
XX
PF   20-JUL-2001; 2001WO-US023046.
XX
```

PR 20-JUL-2000; 2000US-00620091.
XX
PA (GLAX) GLAXO GROUP LTD.
XX
PI Cwirla SE, Balu P, Duffin DJ, Piplani S, Mceowen-Merrill B;
PI Schatz PJ;
XX
DR WPI; 2002-329382/36.
XX
PT Novel compounds, useful for treating depressed neutrophil count, comprise
PT peptide chains of approximately 6 to 40 amino acids in length that bind
PT to granulocyte-colony stimulating factor receptor.
XX
PS Claim 1; Page 51; 90pp; English.
XX
CC The invention relates to compounds comprising a peptide chain
CC approximately 6 to 40 amino acids in length that binds to granulocyte-
CC colony stimulating factor receptor (G-CSFR). The compounds contain
CC specific sequences of the generic peptides appearing as AAU79402-AAU79406
CC and the generic sequences XV_1XV_2XV_3XV_4XV_5XV_6XV_C7XV_8 (where XV_1 =
CC E, C, Q, V or Y; XV_2 = E, A, L, M, S, W or Q; XV_3 = K, R or T; XV_4 =
CC L, A or V; XV_5 = R, A, M, H, E, V, L, G, D, Q or S; XV_6 = E or V; XV_7
CC = A or G; and XV_8 = R, H, G or L) and XVI_1XVI_2XVI_3XVI_4XVI_5
CC EXVI_6XVI_7XVI_8XVI_9 (where XVI_1 = A, E or G; XVI_2 = E, H or D; XVI_3
CC = R or G; XVI_4 = K, Y, M, N, Q, R, D, I, S or E; XVI_5 = A, S or P;
CC XVI_6 = E, D, T, Q, K or A; XVI_7 = R, W, K, L, S, A or Q; XVI_8 = R or E
CC ; and XVI_9 = W, G or R). The compounds are used for treating conditions
CC associated with depressed neutrophil count e.g. chemotherapy- induced
CC neutropaenia, AIDS-induced neutropaenia or community-acquired pneumonia-
CC induced pneumonia. The compounds are useful as in vitro as tools for
CC understanding the biological role of granulocyte-colony stimulating
CC factor (G-CSF a haematopoietic growth factor and cytokine that stimulates
CC neutrophil proliferation and differentiation), including evaluation of
CC many factors thought to influence, and be influenced by, production of
CC white blood cells, in the development of compounds that bind to G-CSFR,
CC as reagents for detecting G-CSF receptor or related receptor on living
CC cells, fixed cells, in biological fluid, in tissue homogenates or in
CC purified natural biological materials, in situ staining, fluorescence-
CC activated cell sorting (FACS), Western blotting or enzyme-linked
CC immunoadsorptive assay (ELISA), in receptor purification or in purifying
CC cells expressing G-CSFR on the cell surface (or inside permeabilised
CC cells) as a commercial research reagent for various medical and
CC diagnostic uses or to treat a disease that would benefit from the ability
CC to of a compound to mimic the effects of G-CSF in vivo. The compounds
CC bind specifically to G-CSFR and allow for studies of biological
CC activities mediated by the receptor and for the treatment of diseases,
CC disorders and conditions that would benefit from activating or
CC inactivating G-CSFR. The present sequence is a G-CSFR binding generic
CC peptide of the invention
XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 6
ABG33414
ID ABG33414 standard; peptide; 10 AA.
XX
AC ABG33414;
XX
DT 15-JUL-2002 (first entry)
XX
DE B Lymphocyte Stimulator (BLyS) binding peptide #9.
XX
KW B Lymphocyte Stimulator protein; B Lymphocyte Stimulator binding peptide;
KW BLyS; biological fluid; serum; plasma; lymph; blood; urine; spinal fluid;
KW synovial fluid; saliva; mucus.
XX
OS Synthetic.
XX
PN WO200216412-A2.
XX
PD 28-FEB-2002.
XX
PF 17-AUG-2001; 2001WO-US025891.
XX
PR 18-AUG-2000; 2000US-0226489P.
XX
PA (DYAX-) DYAX CORP.
XX
PI Beltzer JP, Potter MD, Fleming TJ, Ladner RC;
XX
DR WPI; 2002-351647/38.
XX
PT New B-lymphocyte stimulator binding polypeptide useful in detecting or
PT isolating BLyS or BLyS-like polypeptide comprises a specified amino acid
PT sequence.
XX
PS Claim 9; Page 99; 269pp; English.
XX
CC The invention relates to a B Lymphocyte Stimulator (BLyS) binding
CC polypeptide. BLyS binding peptides bind BLyS or BLyS-like proteins
CC reversibly or irreversibly. The binding peptides are used in detection,
CC isolation and/or purification of BLyS in a solution such as water or a
CC buffer solution, as well as any fluid and/or cell obtained from an
CC individual biological fluid, body tissue, body cell, cell line, tissue
CC culture or other source containing BLyS or BLyS-like polypeptides. The
CC biological fluids include sera, plasma, lymph, blood, blood fraction,
CC urine, synovial fluid, spinal fluid, saliva and mucous. Sequences
CC ABG33406-33415, ABG33423-33575, ABG33588-33846, ABG33848-33850 and
CC ABG33852-33862 represent BLyS binding peptides of the invention
XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 7
AAU98179
ID AAU98179 standard; peptide; 10 AA.
XX
AC AAU98179;
XX
DT 12-AUG-2002 (first entry)
XX
DE Prostate specific antigen (PSA) formula I peptide.
XX
KW Prostate specific antigen; PSA; binding agent; peptidomimetic;
KW prostatic disease; cytotoxic agent; gene therapy vector; imaging agent;
KW activation step; cytostatic.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 2
FT /label= Val, Ile
FT Misc-difference 3
FT /label= Phe, Ile, Trp, Pro
FT Misc-difference 4
FT /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position

FT is preferably Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu.
FT When Xaa at position 2 is Val, Xaa at position 3 is Ile
FT and Xaa at position 7 is Asn, Xaa at this position is
FT preferably Tyr, Asp, Gly, His, Tyr, Pro, Val. When Xaa at
FT position 2 is Ile, Xaa at position 3 is Phe and Xaa at
FT position 7 is Tyr or Asn, Xaa at this position is
FT preferably Glu, Pro, Asp, Ser, Tyr, Gly, Phe, Ile, Leu"
FT Misc-difference 5
FT /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position
FT is preferably Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu.
FT When Xaa at position 2 is Val, Xaa at position 3 is Ile
FT and Xaa at position 7 is Asn, Xaa at this position is
FT preferably Tyr, Asp, Gly, His, Tyr, Pro, Val. When Xaa at
FT position 2 is Ile, Xaa at position 3 is Phe and Xaa at
FT position 7 is Tyr or Asn, Xaa at this position is
FT preferably Glu, Pro, Asp, Ser, Tyr, Gly, Phe, Ile, Leu"
FT Misc-difference 6
FT /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position
FT is preferably Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu.
FT When Xaa at position 2 is Val, Xaa at position 3 is Ile
FT and Xaa at position 7 is Asn, Xaa at this position is
FT preferably Tyr, Asp, Gly, His, Tyr, Pro, Val. When Xaa at
FT position 2 is Ile, Xaa at position 3 is Phe and Xaa at
FT position 7 is Tyr or Asn, Xaa at this position is
FT preferably Glu, Pro, Asp, Ser, Tyr, Gly, Phe, Ile, Leu"
FT Misc-difference 7
FT /label= Tyr, Asn, Leu
FT Misc-difference 8
FT /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position
FT is preferably Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu.
FT When Xaa at position 2 is Val, Xaa at position 3 is Ile
FT and Xaa at position 7 is Asn, Xaa at this position is
FT preferably Tyr, Asp, Gly, His, Tyr, Pro, Val. When Xaa at
FT position 2 is Ile, Xaa at position 3 is Phe and Xaa at
FT position 7 is Tyr or Asn, Xaa at this position is
FT preferably Glu, Pro, Asp, Ser, Tyr, Gly, Phe, Ile, Leu"
FT Misc-difference 9
FT /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position
FT is preferably Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu.
FT When Xaa at position 2 is Val, Xaa at position 3 is Ile
FT and Xaa at position 7 is Asn, Xaa at this position is
FT preferably Tyr, Asp, Gly, His, Tyr, Pro, Val. When Xaa at
FT position 2 is Ile, Xaa at position 3 is Phe and Xaa at
FT position 7 is Tyr or Asn, Xaa at this position is
FT preferably Glu, Pro, Asp, Ser, Tyr, Gly, Phe, Ile, Leu"
XX
PN WO200226777-A1.
XX
PD 04-APR-2002.
XX
PF 01-OCT-2001; 2001WO-FI000856.
XX
PR 29-SEP-2000; 2000FI-00002159.
XX
PA (LICN) LICENTIA LTD.
XX
PI Stenman UH, Koivunen E, Leinonen J, Naervaenen A;
XX
DR WPI; 2002-463186/49.
XX
PT Binding agents for prostate-specific antigen useful e.g. for treatment or
PT diagnosis of benign and malignant prostatic disease are peptides or
PT peptidomimetics.
XX
PS Claim 4; Page 64; 105pp; English.
XX
CC The present invention relates to a new binding agent selective for free
CC prostate-specific antigen (PSA). The invention comprises a peptide at
CC least 6 amino acids long including at least one pair of Cysteine residues
CC separated by at least 2 amino acids and cyclised through a disulfide bond
CC or a peptidomimetic having a spatial conformation similar to the peptide.
CC The binding agents of the invention are useful for treating and
CC diagnosing diseases associated with PSA-producing cells, especially
CC benign and malignant prostatic disease. The invention can also be used to
CC isolate and purify various molecular forms of PSA and for targeted
CC delivery of cytotoxic agents, gene therapy vectors and imaging agents to
CC prostatic cells, without requiring an activation step. The binding agents
CC of the invention have a binding specificity that can not be obtained with
CC antibodies. The present amino acid sequence represents the prostate
CC specific antigen formula I peptide of the invention
XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 8
ADE37057
ID ADE37057 standard; peptide; 10 AA.
XX
AC ADE37057;
XX
DT 29-JAN-2004 (first entry)
XX
DE CX7C library peptide.
XX
KW interfacial biomaterial; binding agent; biological substrate; cytostatic;
KW Tie2 receptor antagonist; cell culture; biological array;
KW transplant cell; transplant tissue; Tie2 receptor modulation;
KW tumour angiogenesis.
XX
OS Synthetic.
XX
PN WO2003072542-A2.
XX
PD 04-SEP-2003.
XX
PF 20-NOV-2002; 2002WO-US037414.
XX
PR 20-NOV-2001; 2001US-0331843P.
XX
PA (UYDU-) UNIV DUKE.
XX
PI Grinstaff MW, Kenan DJ, Walsh EB, Middleton C;
XX
DR WPI; 2003-833266/77.
XX
PT New interfacial biomaterial having binding agents that binds a non-
PT biological and biological substrate, useful in cell culture, in the
PT preparation of biological arrays, and for diagnostic and therapeutic
PT interface.
XX
PS Disclosure; Page 38; 150pp; English.
XX
CC The present invention describes an interfacial biomaterial (I) comprising
CC binding agents, each having a first ligand that specifically binds a
CC target non-biological substrate and a second ligand that specifically
CC binds a target biological substrate. The binding agents define an

```
CC   interface between the target non-biological substrate and the target
CC   biological substrate, or a non-binding domain substantially lacks binding
CC   to a target biological substrate. (I) has cytostatic activity, and can be
CC   used as a Tie2 receptor antagonist. The methods and compositions of the
CC   present invention can be used in cell culture of fibroblasts, endothelial
CC   cells, stem cells, embryonic and newborn tissue cells and osteoblasts, in
CC   the preparation of biological arrays, in the enhancement of an
CC   interaction between biological materials, for coating implants for in
CC   vivo use, for coating donor transplant cells or tissues, for diagnostic
CC   and therapeutic interface, and for modulating Tie2 receptors in tumour
CC   angiogenesis. The present sequence is used in the exemplification of the
CC   present invention.
XX
SQ   Sequence 10 AA;

  Query Match             61.5%;  Score 16;  DB 7;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXX 8
              ||||||||
Db          2 CXXXXXXX 9


RESULT 9
AAR88384
ID   AAR88384 standard; peptide; 10 AA.
XX
AC   AAR88384;
XX
DT   27-JUN-1996  (first entry)
XX
DE   Influenza palmitylation inhibitor.
XX
KW   Haemagglutinin; palmitate; influenza; cytoplasmic domain; treatment;
KW   palmitylation; inhibitor; viral assembly.
XX
OS   Influenza virus.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /note= "0-40 amino acids of haemagglutinin transmembrane
FT                   region upstream of the depicted sequence"
FT   Misc-difference 3
FT                   /label= Ser, Asn
FT   Misc-difference 4
FT                   /label= Lys, Ile, Met, Cys, Tyr
FT   Misc-difference 5
FT                   /label= Gln, Arg
FT   Misc-difference 6
FT                   /label= Cys, Phe
FT   Misc-difference 7
FT                   /label= Arg, Asn, Gln, Thr, Met
FT   Misc-difference 8
FT                   /label= Ile, Phe, Tyr
XX
PN   WO9532309-A1.
XX
PD   30-NOV-1995.
XX
PF   17-MAY-1995;   95WO-US006292.
XX
PR   20-MAY-1994;   94US-00246643.
XX
PA   (MOUN ) MOUNT SINAI SCHOOL MEDICINE.
XX
PI   Palese P;
XX
DR   WPI; 1996-020601/02.
XX
PT   Identifying cpds. that inhibit palmitylation of influenza haemagglutinin
PT   - and thus prodn. of influenza virus, potentially useful for treating
PT   influenza.
XX
PS   Disclosure; Page 26; 60pp; English.
XX
CC   The present peptide is based on the cytoplasmic domain, opt. with 0-40
CC   amino acids of the transmembrane region upstream of the depicted
CC   sequence, of influenza haemagglutinin (HA). The peptide may be used to
CC   compete with viral HA as the substrate of palmitylation, and therefore
CC   may be useful as an influenza HA palmitylation inhibitor. Such an
CC   inhibitor will interfere with viral assembly, but not with palmitate
CC   biosynthesis (which is important for cellular metabolism and energy
CC   prodn.) and is therefore a potentially useful influenza treatment
XX
SQ   Sequence 10 AA;

  Query Match             57.7%;  Score 15;  DB 2;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+03;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          4 XXXXXXC 10
              |||||||
Db          3 XXXXXXC 9


RESULT 10
AAB01531
ID   AAB01531 standard; peptide; 10 AA.
XX
AC   AAB01531;
XX
DT   08-NOV-2000  (first entry)
XX
DE   Degenerate telechelic peptide.
XX
KW   Polymer; biomaterial; conjugate; hydrogel; drug delivery; adhesive;
KW   sealant; tissue engineering; wound healing; scaffold; cell transplant;
KW   adhesion prevention.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 3
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 4
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 5
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 6
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 7
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 8
FT                   /note= "Any amino acid other than cysteine"
FT   Misc-difference 10
FT                   /note= "Any amino acid other than cysteine"
XX
PN   WO200044808-A1.
XX
PD   03-AUG-2000.
XX
PF   01-FEB-2000; 2000WO-US002608.
XX
PR   01-FEB-1999;   99US-0118093P.
XX
PA   (HUBB/) HUBBELL J A.
XX
PI   Hubbell JA,  Elbert D,  Lutolf M,  Pratt A,  Schoenmakers R;
PI   Tirelli N,  Vernon B;
XX
DR   WPI; 2000-524289/47.
XX
PT   Producing polymeric biomaterials by polymerizing two or more precursor
```

PT components (e.g. polymer, protein or peptide) of the biomaterial, useful
PT for delivering therapeutic molecules to a subject and as adhesives or
PT sealants.
XX
PS Disclosure; Page 29; 119pp; English.
XX
CC A method of making polymeric biomaterials is described comprising
CC combining two or more precursor components (e.g. polymer, protein or
CC peptide) of the biomaterial under conditions that allow polymerization of
CC the two components. Polymerization occurs through self selective reaction
CC between a strong nucleophile and a conjugated unsaturated bond or a
CC conjugated unsaturated group, by nucleophilic addition. The polymeric
CC hydrogels can be used in a variety of applications. They can be used to
CC deliver therapeutic molecules to a subject, as adhesives or sealants
CC (e.g. sealing air leaks on the lung), as tissue engineering and wound
CC healing scaffolds, and as cell transplant devices. The biomaterials are
CC also useful for adhesion prevention to minimise unwanted operative or
CC post-traumatic adhesions
XX
SQ Sequence 10 AA;

Query Match 57.7%; Score 15; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXX 7
|||||||
Db 2 CXXXXXX 8

RESULT 11
AAU85661
ID AAU85661 standard; peptide; 10 AA.
XX
AC AAU85661;
XX
DT 21-MAY-2002 (first entry)
XX
DE Nucleophile containing peptide consensus sequence #1.
XX
KW Biomaterial; vasotropic; anticoagulant; thrombolytic; vulnerary;
KW infection; adhesion; thrombosis; restenosis; adhesive; sealant;
KW tissue engineering; wound healing scaffold; cell transplant device.
XX
OS Synthetic.
XX
PN WO200192584-A1.
XX
PD 06-DEC-2001.
XX
PF 04-JUN-2001; 2001WO-US018101.
XX
PR 02-JUN-2000; 2000US-00586937.
XX
PA (EIDG-) EIDGENOESSISCHE TECH HOCHSCHULE ZUERICH.
PA (UYZU-) UNIV ZURICH.
XX
PI Hubbel JA, Elbert D, Schoenmakers R;
XX
DR WPI; 2002-205802/26.
XX
PT New biomaterial useful for medical treatment comprises an active or a
PT binding group and has an ester or amide bond onto the active or binding
PT group.
XX
PS Disclosure; Page 66; 222pp; English.
XX
CC The invention relates to a biomaterial comprising an active or a binding
CC group and has an ester or amide bond onto the active or binding group.
CC Also included is a biomaterial (II) formed from the cross-linking of at
CC least two precursor components of formula D-Y-C(O)-(CH_2)_n-S-(CH_2)_2 -
CC COX-P', D-Y-C(O)-(CH_2)_n-NH-(CH_2)_2-COX-P', D-Y-C(O)-(CH_2)_n-NH-U-P, D
CC -Y-C(O)-(CH_2)_n-S-U-P', D-Y-C(O)-(CH_2)_n-S-L-S-CH_2-CH_2-CO-X-P', D-Y-
CC C(O)-(CH_2)_n-S-L-S-U-P', D-Y-C(O)-(CH_2)_n-NH-L-S-CH_2-CH_2-CO-X-P', D-Y
CC -C(O)-(CH_2)_n-NH-L-S-U-P', D-Y-C(O)-(CH_2)_n-S-L-NH-CH_2-CH_2-CO-X- P',
CC D-Y-C(O)-(CH_2)_n-S-L-NH-U-P', D-Y-C(O)-(CH_2)_n-NH-L-NH-CH_2CH_2 -CO-X-
CC P'; or D-Y-C(O)-(CH_2)_n-NH-L-NH-U-P'. The half-life of the ester or
CC amide bond onto the active or binding group is 1 hour - 1 year in an
CC aqueous solution at pH 7.4 and 37 plusoC. Forming (II) involves (a)
CC attaching the active or binding compound to the linker molecule or
CC incorporating a nucleophilic amine or thiol into the active or binding
CC compound, (b) removing any thiol- or amine-protecting groups in the
CC linker (c) coupling a thiol, amine or alkene in the linker or
CC incorporated into the active or binding compound to the water soluble or
CC water swellable polymer containing conjugated unsaturated groups by a
CC conjugate addition reaction to form a precursor component and (d) cross-
CC linking the uncoupled conjugated unsaturated groups in at least one
CC precursor component. D = active or binding group; Y = O, NH or N; L =
CC linear or branched linker; X = O or N; P' = water-soluble or water -
CC swellable polymer containing conjugated unsaturated groups; U = product
CC of the addition of a nucleophile to an electrophile that is attached to
CC the water-soluble or water-swellable polymer; and n = 2 - 3. The
CC biomaterials are useful for treating or preventing disease, disorder or
CC infection in a mammal e.g. human, for preventing adhesions, thrombosis or
CC restenosis in a mammal and for delivering the active compound (preferably
CC protein or peptide) to a cell, tissue, organ, organ system or a body of a
CC mammal as adhesives or sealants, as tissue engineering and wound healing
CC scaffolds and as cell transplant devices. The bond of the biomaterial has
CC a half life of 1 hour - 1 year (preferably 1 day - 9 months, especially 2
CC days - 2 months) in an aqueous solution at pH 7.4 and 37plusoC. Thus the
CC biomaterial releases the therapeutic compound over a clinically relevant
CC time-frame. The present sequence is a consensus sequence for a peptide
CC containing reactive thiol (cysteines) groups suitable for inclusion in
CC the biomaterial of the invention
XX
SQ Sequence 10 AA;

Query Match 57.7%; Score 15; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXX 7
|||||||
Db 2 CXXXXXX 8

RESULT 12
AAE31886
ID AAE31886 standard; peptide; 10 AA.
XX
AC AAE31886;
XX
DT 07-MAR-2003 (first entry)
XX
DE Androgen receptor binding peptide #137.
XX
KW Androgen receptor; androgen-associated disorder; prostate cancer; acne;
KW benign prostatic hypertrophy; hirsutism; androgen insensitivity syndrome;
KW male pattern baldness; Stein-Leventhal syndrome; infertility; cytostatic;
KW X-linked spinal bulbar muscular atrophy; antiseborrheic; dermatological;
KW depilatory; androgen receptor binding peptide.
XX
OS Unidentified.
XX
FH Key Location/Qualifiers
FT Misc-difference 1
FT /note= "Linked to Xa-Y1; Where Xa is independently a
FT direct bond or a peptidic structure comprising from about
FT 1-25 amino acid residues and Y1 is hydrogen, alkyl or
FT acyl"
FT Misc-difference 2
FT /note= "Xaa is an aromatic amino acid or Thr"
FT Misc-difference 3
FT /label= Gly, Phe, Gln, Arg, Met, Trp
FT Misc-difference 4
FT /label= Asp, Glu

```
FT   Misc-difference 5
FT                   /label= Asp, Glu
FT   Misc-difference 7
FT                   /label= Tyr, Trp
FT   Misc-difference 8
FT                   /label= Pro, Trp, Thr, Leu, Phe, Tyr, Met
FT   Misc-difference 9
FT                   /label= His, Asp, Ser, Ala, Leu, Met, Trp
FT   Misc-difference 10
FT                   /note= "Linked to Xb-Y2; Where Xb is independently a
FT                   direct bond or a peptidic structure comprising from about
FT                   1-25 amino acid residues and Y2 is -OH, amino or
FT                   monosubstituted or disubstituted amino"
XX
PN   WO200272612-A2.
XX
PD   19-SEP-2002.
XX
PF   12-MAR-2002; 2002WO-US007487.
XX
PR   12-MAR-2001; 2001US-0275240P.
PR   28-JAN-2002; 2002US-0352399P.
XX
PA   (PRAE-) PRAECIS PHARM INC.
XX
PI   Joyal JL,  Mueller J,  Oza VB,  Findeis MA;
XX
DR   WPI; 2003-067363/06.
XX
PT   New peptide modulators of androgen receptor, useful for treating androgen
PT   -associated disorder, e.g. prostate cancer, particularly hormonally
PT   refractive prostate cancer, colon cancer, lung cancer, acne, or
PT   hirsutism.
XX
PS   Claim 67; Page 41; 68pp; English.
XX
CC   The present invention relates to novel peptide modulators of androgen
CC   receptor. The peptides of the invention are useful for treating androgen-
CC   associated disorders such as prostate cancer, particularly hormonally
CC   refractive prostate cancer, colon cancer, lung cancer, benign prostatic
CC   hypertrophy, acne, hirsutism, male pattern baldness, Stein-Leventhal
CC   syndrome, androgen insensitivity syndrome, infertility, endometrial
CC   cancer and X-linked spinal bulbar muscular atrophy. The present sequence
CC   is an androgen receptor binding peptide
XX
SQ   Sequence 10 AA;

  Query Match             57.7%;  Score 15;  DB 6;  Length 10;
  Best Local Similarity   90.0%;  Pred. No. 3.1e+03;
  Matches    9;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||| ||||
Db          1 CXXXXGXXXC 10


RESULT 13
AAB73068
ID   AAB73068 standard; peptide; 10 AA.
XX
AC   AAB73068;
XX
DT   17-MAY-2001  (first entry)
XX
DE   Protein tyrosine phosphatase active site consensus motif.
XX
KW   Protein phosphatase; signal transduction; trifluoromethyl sulfonyl;
KW   trifluoromethyl sulfonamido; diabetes; immune disorder;
KW   rheumatoid arthritis; neurodegenerative disease; cancer; infection;
KW   osteoporosis.
XX
OS   Unidentified.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /label= Ile, Val
FT   Misc-difference 2. .9
FT                   /label= Xaa
FT                   /note= "Xaa=unknown"
FT   Misc-difference 10
FT                   /label= Ser, Thr
XX
PN   WO200116097-A1.
XX
PD   08-MAR-2001.
XX
PF   25-AUG-2000; 2000WO-US023293.
XX
PR   27-AUG-1999;   99US-0150970P.
PR   12-NOV-1999;   99US-0165365P.
XX
PA   (SUGE-) SUGEN INC.
XX
PI   Huang P,  Wei CC,  Tang PC,  Liang C,  Ramphal J,  Jallal B,  Blitz J;
PI   Li S,  Mattson MN,  Mcmahon G,  Koenig M;
XX
DR   WPI; 2001-202994/20.
XX
PT   New aromatic and heterocyclic compounds containing
PT   trifluoromethylsulfonyl groups, used to treat cancers, diabetes,
PT   neurological degenerative diseases and osteoporosis, are protein tyrosine
PT   phosphatase inhibitors.
XX
PS   Disclosure; Page 15; 262pp; English.
XX
CC   The present invention provides novel trifluoromethyl sulfonyl and
CC   trifluoromethyl sulfonamido compounds which modulate the activity of
CC   protein phosphatases. Protein phosphatases are involved in signal
CC   transduction, and the compounds can be used to treat diseases mediated by
CC   protein phosphatase action, including cancer, immune disorders such as
CC   anaemia and immunodeficiency, diabetes, rheumatoid arthritis,
CC   neurodegenerative diseases, infections and osteoporosis. The present
CC   sequence comprises a consensus sequence of the protein phosphatase active
CC   site
XX
SQ   Sequence 10 AA;

  Query Match             53.8%;  Score 14;  DB 4;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 6.3e+03;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXX 6
              ||||||
Db          3 CXXXXX 8


RESULT 14
ABG68466
ID   ABG68466 standard; peptide; 10 AA.
XX
AC   ABG68466;
XX
DT   07-OCT-2002  (first entry)
XX
DE   Growth factor receptor-bound protein 7 antagonist example #20.
XX
KW   Growth factor receptor-bound protein 7; Grb7; ligand; antagonist;
KW   cytostatic; cancer; phage display; tumour; metastasis; breast cancer;
KW   oesophageal cancer; kidney disorder; liver disorder; gonad disorder;
KW   breast disorder; oesophageal disorder; pancreatic disorder;
KW   prostate disorder; small intestine disorder; placental disorder;
KW   colon disorder; ovary disorder; testicular disorder; lung disorder.
XX
OS   Synthetic.
XX
PN   WO200236142-A2.
```

XX
PD 10-MAY-2002.
XX
PF 05-NOV-2001; 2001WO-US047400.
XX
PR 03-NOV-2000; 2000US-0245755P.
XX
PA (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX
PI Krag DN, Pero SC, Oligino L;
XX
DR WPI; 2002-547451/58.
XX
PT Treatment or prophylaxis of a subject having a disorder characterized by
PT abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT a non-phosphorylated peptide to a subject in need of the treatment.
XX
PS Disclosure; Page 120; 186pp; English.
XX
CC The invention relates to treatment or prophylaxis (M1) of a subject
CC having a disorder characterised by abnormal interaction of Grb7 (Growth
CC factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC administering to a subject in need of the treatment, a non-phosphorylated
CC peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC Asn) or its functional equivalent, in an amount effective to inhibit the
CC disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC nucleic acids encoding the antagonists, an expression vector comprising
CC the nucleic acid, a host cell transformed or transfected with the vector,
CC screening (M2) a molecular library to identify a compound that inhibits
CC interaction between Grb7 and a peptide antagonist and a phage display
CC library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC treatment of a subject having a disorder characterised by abnormal
CC interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC gonads, breast, oesophagus, pancreas, prostate, small intestine,
CC placenta, colon, ovary, testes and lung. The present sequence is a
CC generic example of a Grb7 peptide antagonist of the invention
XX
SQ Sequence 10 AA;

Query Match 53.8%; Score 14; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXX 6
||||||
Db 1 CXXXXX 6

RESULT 15
ABG68461
ID ABG68461 standard; peptide; 10 AA.
XX
AC ABG68461;
XX
DT 07-OCT-2002 (first entry)
XX
DE Growth factor receptor-bound protein 7 antagonist example #15.
XX
KW Growth factor receptor-bound protein 7; Grb7; ligand; antagonist;
KW cytostatic; cancer; phage display; tumour; metastasis; breast cancer;
KW oesophageal cancer; kidney disorder; liver disorder; gonad disorder;
KW breast disorder; oesophageal disorder; pancreatic disorder;
KW prostate disorder; small intestine disorder; placental disorder;
KW colon disorder; ovary disorder; testicular disorder; lung disorder.
XX
OS Synthetic.
XX
PN WO200236142-A2.
XX
PD 10-MAY-2002.
XX
PF 05-NOV-2001; 2001WO-US047400.
XX
PR 03-NOV-2000; 2000US-0245755P.
XX
PA (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX
PI Krag DN, Pero SC, Oligino L;
XX
DR WPI; 2002-547451/58.
XX
PT Treatment or prophylaxis of a subject having a disorder characterized by
PT abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT a non-phosphorylated peptide to a subject in need of the treatment.
XX
PS Disclosure; Page 118; 186pp; English.
XX
CC The invention relates to treatment or prophylaxis (M1) of a subject
CC having a disorder characterised by abnormal interaction of Grb7 (Growth
CC factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC administering to a subject in need of the treatment, a non-phosphorylated
CC peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC Asn) or its functional equivalent, in an amount effective to inhibit the
CC disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC nucleic acids encoding the antagonists, an expression vector comprising
CC the nucleic acid, a host cell transformed or transfected with the vector,
CC screening (M2) a molecular library to identify a compound that inhibits
CC interaction between Grb7 and a peptide antagonist and a phage display
CC library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC treatment of a subject having a disorder characterised by abnormal
CC interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC gonads, breast, oesophagus, pancreas, prostate, small intestine,
CC placenta, colon, ovary, testes and lung. The present sequence is a
CC generic example of a Grb7 peptide antagonist of the invention
XX
SQ Sequence 10 AA;

Query Match 53.8%; Score 14; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 XXXXXC 10
||||||
Db 5 XXXXXC 10

RESULT 16
AAR76827
ID AAR76827 standard; peptide; 10 AA.
XX
AC AAR76827;
XX
DT 08-MAY-1996 (first entry)
XX
DE Generic glutathione-S-transferase binding peptide.
XX
KW totally synthetic affinity reagent; vinculin; dynein; enzyme;
KW heterobifunctional binding fusion protein; glutathione S-transferase;
KW cancer treatment; nerve cell activity; modulate.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 2
FT /label= Met, Leu
FT Misc-difference 3
FT /label= Gly, Asp
FT Misc-difference 4
FT /label= Asp, Glu
FT Misc-difference 5
FT /label= Asn, Ser, Asp
FT Misc-difference 8
FT /label= Trp, Lys, Gln, Asp
FT Misc-difference 9

FT /label= Asp, Ser, Gly, Met
XX
PN WO9520601-A1.
XX
PD 03-AUG-1995.
XX
PF 31-JAN-1995; 95WO-US001286.
XX
PR 31-JAN-1994; 94US-00189331.
XX
PA (UYNC-) UNIV NORTH CAROLINA.
XX
PI Kay BK, Adey NB, Sparks AB;
XX
DR WPI; 1995-275411/36.
XX
PT Identifying peptide(s) that bind specifically to dynein, vinculin or
PT enzymes, eg. glutathione-S-transferase - by screening random peptide
PT libraries, useful e.g. in immunoassays, affinity purification., tumour
PT treatment, etc.
XX
PS Claim 28; Page 86-87; 110pp; English.
XX
CC AAR76827 defines a class of generic TSAR (Totally Synthetic Affinity
CC Reagent) library peptides, which bind specifically to glutathione-S-
CC transferase (GST). GST is a dimeric enzyme that conjugates glutathione to
CC various other substrates, including products of tissue damage and
CC carcinogens. Its role in the cell seems to be in detoxification. The
CC TSARs are new and/or improved heterofunctional binding fusion proteins
CC that have affinity for the ligand vinculin, and can be used to modulate
CC the activity of the ligand (or its binding proteins), e.g. in
CC biomedicine, catalysis, pharmaceuticals, etc. . Other TSARs can be
CC designed to bind dynein and glutathione-S-transferase. Typical
CC applications are: (i) inhibition of GST to treat cancers that produce
CC high levels of this enzyme; (ii) altering mobility/attachment of
CC malignant cells, modulating platelet release and blood clotting, for
CC TSARs directed against vinculin; (iii) TSARs against dynein are used to
CC modulate nerve cell activity, sperm motility, mobility of protozoa, etc
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXX 5
|||||
Db 1 CXXXX 5

RESULT 17
AAB31822
ID AAB31822 standard; peptide; 10 AA.
XX
AC AAB31822;
XX
DT 15-MAY-2001 (first entry)
XX
DE Synthetic peptide which is able to bind fibrin.
XX
KW Fibrin; fibrin-binding peptide; deep-vein thrombosis; pulmonary embolism;
KW cardiogenic thrombosis; atherosclerosis; myocardial infarction; lupus;
KW reperfusion ischemia; stroke; peritoneal adhesion; rheumatoid arthritis;
KW septic arthritis; thrombotic thrombocytopenic purpura; hypoxia; tumour;
KW diabetic retinopathy; autoimmune disorder; inflammatory disorder.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 3
FT /label= Asn, Asp
FT Misc-difference 6
FT /label= Gly, Tyr
FT Misc-difference 7
FT /label= His, Val
FT Misc-difference 8
FT /label= Pro, Trp
FT Misc-difference 9
FT /label= Trp, Tyr
XX
PN WO200109188-A1.
XX
PD 08-FEB-2001.
XX
PF 28-JUL-2000; 2000WO-US020612.
XX
PR 29-JUL-1999; 99US-014642SP.
XX
PA (DYAX-) DYAX CORP.
PA (EPIX-) EPIX MEDICAL INC.
XX
PI Wescott CR, Nair SA, Kolodziej A, Beltzer JP;
XX
DR WPI; 2001-210995/21.
XX
PT New fibrin-binding polypeptides useful for detection and treatment of
PT thrombotic disease.
XX
PS Claim 5; Page 71; 115pp; English.
XX
CC The present sequence represents a synthetic peptide which binds to
CC fibrin. Fibrin-binding peptides of the invention are useful for the
CC detection and treatment of deep-vein thrombosis, pulmonary embolism,
CC cardiogenic thrombosis, atherosclerosis, myocardial infarction,
CC reperfusion ischemia, stroke, peritoneal adhesions, rheumatoid arthritis,
CC lupus, septic arthritis, thrombotic thrombocytopenic purpura, hypoxia,
CC tumours, diabetic retinopathy, autoimmune and inflammatory disorders; and
CC for imaging by e.g. MRI (magnetic resonance imaging), ultrasound,
CC optical, sonoluminescence, photoacoustic or nuclear imaging techniques,
CC and localizing fibrin containing thrombi or other fibrin specific
CC pathophysiologies. They are also useful for the detection, isolation or
CC purification of fibrin in or from a solution containing it
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 XXXXC 10
|||||
Db 6 XXXXC 10

RESULT 18
AAG63739
ID AAG63739 standard; peptide; 10 AA.
XX
AC AAG63739;
XX
DT 29-OCT-2001 (first entry)
XX
DE Peptide library for identification of IGF-1 agonists.
XX
KW Insulin-like growth factor; IGF; IGF-1; IGF binding protein; IGFBP;
KW hyperglycemic disorder; obesity-related disorder; neurological disorder;
KW cardiac disorder; anabolic disorder; renal disorder; neuroprotection;
KW immunological disorder; kidney regeneration; degenerative disorder;
KW hypoxia; wound healing; cardiac regeneration; cancer; angiogenesis;
KW metabolic stress; growth hormone deficiency; diabetes; short stature;
KW osteoporosis; obesity.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 1. .10

```
FT                    /note= "Xaa represent unspecified residues"
XX
PN   US6251865-B1.
XX
PD   26-JUN-2001.
XX
PF   31-MAR-1998;   98US-00052888.
XX
PR   04-APR-1997;   97US-00825852.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Clark RG,  Lowman HB,  Robinson ICAF;
XX
DR   WPI; 2001-520042/57.
XX
PT   Isolated peptides used to increase serum and tissue levels of insulin-
PT   like growth factor in those with hyperglycemic, obesity-related,
PT   neurological, cardiac, anabolic, renal or immunological disorders.
XX
PS   Example 7; Col 53; 108pp; English.
XX
CC   The present sequence was used to construct a peptide library for
CC   identification of peptides which inhibit the binding of insulin-like
CC   growth factor (IGF)-1 to IGF binding proteins (IGFBP). IGF agonist
CC   peptides are used to increase serum and tissue levels of IGF-1 in mammals
CC   with hyperglycemic, obesity-related, neurological, cardiac, anabolic,
CC   renal or immunological disorders. They may also be used to increase whole
CC   body, bone and muscle growth rate in normal and hypopituitary animals, to
CC   protect body weight and nitrogen loss during catabolic states, kidney
CC   regeneration, to treat peripheral and central nervous system (CNS)
CC   degenerative disorders and promote neuroprotection or repair following
CC   CNS damage or injury, to treat hypoxia, to promote wound healing, for
CC   cardiac regeneration, to reverse cancer cachexia, to inhibit
CC   angiogenesis, to regenerate the gastrointestinal tract, to stimulate
CC   mammary function, to counteract IGF-1-dependent actions of growth hormone
CC   such as metabolic stress, age-related decline in growth hormone activity
CC   and adult growth hormone deficiency, to treat maturity onset diabetes
CC   and/or to treat specific IGF deficiency. They may also be used to treat
CC   growth-hormone resistant short stature, growth hormone insensitivity
CC   syndrome, osteoporosis and catabolic states, and reduce obesity
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 4;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 19
ABG68465
ID   ABG68465 standard; peptide; 10 AA.
XX
AC   ABG68465;
XX
DT   07-OCT-2002  (first entry)
XX
DE   Growth factor receptor-bound protein 7 antagonist example #19.
XX
KW   Growth factor receptor-bound protein 7; Grb7; ligand; antagonist;
KW   cytostatic; cancer; phage display; tumour; metastasis; breast cancer;
KW   oesophageal cancer; kidney disorder; liver disorder; gonad disorder;
KW   breast disorder; oesophageal disorder; pancreatic disorder;
KW   prostate disorder; small intestine disorder; placental disorder;
KW   colon disorder; ovary disorder; testicular disorder; lung disorder.
XX
OS   Synthetic.
XX
PN   WO200236142-A2.
XX
PD   10-MAY-2002.
XX
PF   05-NOV-2001; 2001WO-US047400.
XX
PR   03-NOV-2000; 2000US-0245755P.
XX
PA   (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX
PI   Krag DN,  Pero SC,  Oligino L;
XX
DR   WPI; 2002-547451/58.
XX
PT   Treatment or prophylaxis of a subject having a disorder characterized by
PT   abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT   a non-phosphorylated peptide to a subject in need of the treatment.
XX
PS   Disclosure; Page 120; 186pp; English.
XX
CC   The invention relates to treatment or prophylaxis (M1) of a subject
CC   having a disorder characterised by abnormal interaction of Grb7 (Growth
CC   factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC   administering to a subject in need of the treatment, a non-phosphorylated
CC   peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC   Asn) or its functional equivalent, in an amount effective to inhibit the
CC   disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC   nucleic acids encoding the antagonists, an expression vector comprising
CC   the nucleic acid, a host cell transformed or transfected with the vector,
CC   screening (M2) a molecular library to identify a compound that inhibits
CC   interaction between Grb7 and a peptide antagonist and a phage display
CC   library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC   treatment of a subject having a disorder characterised by abnormal
CC   interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC   cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC   gonads, breast, oesophagus, pancreas, prostate, small intestine,
CC   placenta, colon, ovary, testes and lung. The present sequence is a
CC   generic example of a Grb7 peptide antagonist of the invention
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          1 CXXXX 5


RESULT 20
ABG68462
ID   ABG68462 standard; peptide; 10 AA.
XX
AC   ABG68462;
XX
DT   07-OCT-2002  (first entry)
XX
DE   Growth factor receptor-bound protein 7 antagonist example #16.
XX
KW   Growth factor receptor-bound protein 7; Grb7; ligand; antagonist;
KW   cytostatic; cancer; phage display; tumour; metastasis; breast cancer;
KW   oesophageal cancer; kidney disorder; liver disorder; gonad disorder;
KW   breast disorder; oesophageal disorder; pancreatic disorder;
KW   prostate disorder; small intestine disorder; placental disorder;
KW   colon disorder; ovary disorder; testicular disorder; lung disorder.
XX
OS   Synthetic.
XX
PN   WO200236142-A2.
XX
PD   10-MAY-2002.
XX
PF   05-NOV-2001; 2001WO-US047400.
```

XX
PR 03-NOV-2000; 2000US-0245755P.
XX
PA (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX
PI Krag DN, Pero SC, Oligino L;
XX
DR WPI; 2002-547451/58.
XX
PT Treatment or prophylaxis of a subject having a disorder characterized by
PT abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT a non-phosphorylated peptide to a subject in need of the treatment.
XX
PS Disclosure; Page 118; 186pp; English.
XX
CC The invention relates to treatment or prophylaxis (M1) of a subject
CC having a disorder characterised by abnormal interaction of Grb7 (Growth
CC factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC administering to a subject in need of the treatment, a non-phosphorylated
CC peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC Asn) or its functional equivalent, in an amount effective to inhibit the
CC disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC nucleic acids encoding the antagonists, an expression vector comprising
CC the nucleic acid, a host cell transformed or transfected with the vector,
CC screening (M2) a molecular library to identify a compound that inhibits
CC interaction between Grb7 and a peptide antagonist and a phage display
CC library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC treatment of a subject having a disorder characterised by abnormal
CC interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC gonads, breast, oesophagus, pancreas, prostate, small intestine,
CC placenta, colon, ovary, testes and lung. The present sequence is a
CC generic example of a Grb7 peptide antagonist of the invention
XX
SQ Sequence 10 AA;

```
  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10
```

RESULT 21
ABB57651
ID ABB57651 standard; peptide; 10 AA.
XX
AC ABB57651;
XX
DT 18-MAR-2002 (first entry)
XX
DE Peptide motif #10 used in peptide library.
XX
KW Antirheumatic; antiarthritic; osteopathic; cartilage disorder;
KW insulin-like growth factor; IGF; binding protein; IGFBP;
KW rheumatoid arthritis; osteoarthritis.
XX
OS Synthetic.
XX
PN WO200187323-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015904.
XX
PR 16-MAY-2000; 2000US-0204490P.
PR 15-NOV-2000; 2000US-0248985P.
XX
PA (GETH) GENENTECH INC.
XX
PI Dubaquie Y, Filvaroff EH, Lowman HB;
XX
DR WPI; 2002-082942/11.
XX
PT Treating cartilage disorders including cartilage damage by injury or
PT degenerative cartilagenous disorders, by contacting cartilage with
PT insulin-like growth factor analog with altered affinity for IGF-binding
PT proteins.
XX
PS Example 1; Page 40; 136pp; English.
XX
CC The present invention relates to a method for treating cartilage
CC disorders. The method comprises contacting cartilage with an active agent
CC such as insulin-like growth factor (IGF-1) analog with a binding affinity
CC preference for IGF binding protein-3 (IGFBP-3) over IGFBP-1, an IGF-1
CC analog with a binding affinity preference for IGFBP-1 over IGFBP-3, or a
CC IGFBP displacer peptide that prevents the interaction of IGF with an
CC IGFBP and does not bind to human IGF receptor. The method is useful for
CC treating cartilage disorders (CD), including degenerative CD, articular
CC CD such as rheumatoid arthritis and osteoarthritis. The present sequence
CC was used to illustrate the invention
XX
SQ Sequence 10 AA;

```
  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10
```

RESULT 22
ABG66157
ID ABG66157 standard; peptide; 10 AA.
XX
AC ABG66157;
XX
DT 29-AUG-2002 (first entry)
XX
DE Representative peptide of phage displayed g8 library 508.
XX
KW IgE receptor; immunoglobulin; FcepsilonRI; antagonist; phage display;
KW protein co-ordinate data; IgE-mediated disease; allergic rhinitis;
KW asthma; allergic asthma; atopic dermatitis; urticaria-angioedema;
KW parasitic infection; IgE myeloma; immune-related disorder;
KW inflammatory disorder; diabetes mellitus; reperfusion injury; stroke;
KW IgE-mediated gastrointestinal inflammatory disease; burn;
KW immune rejection of graft; myocardial infarction; atherosclerosis;
KW acute lung injury; haemorrhagic shock; septic shock;
KW acute tubular necrosis; endometriosis; degenerative joint disease;
KW pancreatitis.
XX
OS Synthetic.
XX
PN WO200226781-A2.
XX
PD 04-APR-2002.
XX
PF 26-SEP-2001; 2001WO-US030289.
XX
PR 26-SEP-2000; 2000US-0235353P.
PR 23-MAR-2001; 2001US-0278540P.
XX
PA (GETH) GENENTECH INC.
XX
PI Lowman HB, Reynolds ME, Nakamura GR, Starovasnik MA;
XX
DR WPI; 2002-444016/47.
XX
PT A peptide useful for treating a IgE-mediated disease or disorder in a
PT host e.g. allergic rhinitis, asthma, which competes with immunoglobulin E
PT for binding to high affinity IgE receptor in an in vitro assay.

```
XX
PS   Example 7; Page 100; 328pp; English.
XX
CC   The invention relates to a peptide which competes with immunoglobulin
CC   (Ig) E 134 comprising a sequence (S1), for binding the high affinity IgE
CC   receptor (FcepsilonRI) in an in vitro assay and having a formula given in
CC   the specification. Also included are a fusion protein comprising the
CC   peptide, a pharmaceutical composition (C) comprising the peptide,
CC   designing a compound that mimics the three-dimensional surface structure
CC   of the peptide, a compound with a solvent accessible surface that mimics
CC   the solvent accessible surface defined by the side chains of residues (R)
CC   Pro4, Phe6, Pro16, Cys3, Cys7, Cys15 and Cys19 of IgE134, a peptide with
CC   structural coordinates as given in the specification, selecting a peptide
CC   mimetic which binds to FcepsilonRI and blocks binding of IgE and a
CC   peptide mimetic which mimics the coordinates of IgE134 residues (R). (C)
CC   is useful for inhibiting the binding of IgE to high affinity IgE receptor
CC   (FcepsilonRI). Peptides of the formula given in the specification are
CC   useful for inhibiting the binding of an IgE to high affinity IgE
CC   receptor. The peptide is useful for selecting a molecule which blocks the
CC   interaction of IgE with high affinity IgE receptor. The peptide is also
CC   useful for inhibiting the activation of high affinity IgE receptor. The
CC   peptide is useful for treating an IgE- mediated disease or disorder in a
CC   host. (C) is useful in research, diagnostic, therapeutic and prophylactic
CC   methods. The peptide is also useful for inhibiting IgE-mediated or
CC   associated processes such as IgE- dependent activation and degranulation
CC   of mast cells and basophils, as well as consequent release of
CC   inflammatory mediators such as histamine. (C) is useful for treating
CC   allergic rhinitis, asthma (e.g. allergic asthma), atopic dermatitis,
CC   urticaria-angioedema, parasitic infection, IgE myeloma, immune-related
CC   disorders, inflammatory disorders, diabetes mellitus, IgE-mediated
CC   gastrointestinal inflammatory disease, immune rejection of grafts,
CC   reperfusion injury, stroke, myocardial infarction, atherosclerosis, acute
CC   lung injury, haemorrhagic shock, burn, septic shock, acute tubular
CC   necrosis, endometriosis, degenerative joint disease and pancreatitis. The
CC   present sequence is a representative sequence for a peptide of the
CC   invention (or a library of peptides of the invention)
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          3 CXXXX 7


RESULT 23
AAE19557
ID   AAE19557 standard; protein; 10 AA.
XX
AC   AAE19557;
XX
DT   29-AUG-2003  (revised)
DT   07-AUG-2003  (revised)
DT   31-MAY-2002  (first entry)
XX
DE   Gammaherpes virus subfamily zinc-finger motif.
XX
KW   Herpes virus infection; detection; therapy; zinc-finger motif; antiviral.
XX
OS   Viruses.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 2. .4
FT                   /label= Unknown
FT   Misc-difference 6. .9
FT                   /label= Unknown
XX
PN   WO200204492-A2.
XX
PD   17-JAN-2002.
XX
PF   11-JUL-2001; 2001WO-GB003114.
XX
PR   11-JUL-2000; 2000GB-00016890.
XX
PA   (UNIU ) UNIV GLASGOW.
XX
PI   Clements JB,  Maclean AR;
XX
DR   WPI; 2002-226983/28.
XX
PT   Detecting an agent useful for treating herpes virus infection comprises
PT   determining any change in a polypeptide/zinc complex in the presence of
PT   the test agent.
XX
PS   Claim 9; Page 29; 43pp; English.
XX
CC   The invention relates to a method of detecting an agent for use in the
CC   treatment of herpes virus infection. The method comprises forming a
CC   herpes virus polypeptide/zinc complex; adding a test agent to the
CC   polypeptide/zinc complex; and detecting any change in the complex. The
CC   invention also relates to the use of known agents, such as 2,2'-
CC   dithiobisbenzamide (DIBA) and azodicarbonanide (ADA), and unknown agents
CC   for the manufacture of a medicament for the treatment of herpes virus
CC   infections. The method is useful for detecting agents for use in the
CC   treatment of herpes virus infection. The present sequence is Gammaherpes
CC   virus subfamily zinc-finger motif of herpes virus IE63 functional
CC   homologue. (Updated on 07-AUG-2003 to correct OS field.) (Updated on 29-
CC   AUG-2003 to standardise OS field)
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          5 CXXXX 9


RESULT 24
ABJ15256
ID   ABJ15256 standard; peptide; 10 AA.
XX
AC   ABJ15256;
XX
DT   16-JAN-2003  (first entry)
XX
DE   Insulin-like growth factor related peptide SEQ ID No 18.
XX
KW   Cytostatic; antidiabetic; osteopathic; vasotropic; tranquiliser; IGF-1;
KW   vulnerary; antiasthmatic; ophthalmological; antagonise; ischemic injury;
KW   insulin-like growth hormone 1; IGF; cancer; diabetic; nephropathy;
KW   diabetic retinopathy; acromegaly; macular degeneration; trauma; asthma;
KW   restenosis.
XX
OS   Unidentified.
XX
PN   WO200272780-A2.
XX
PD   19-SEP-2002.
XX
PF   13-MAR-2002; 2002WO-US007606.
XX
PR   14-MAR-2001; 2001US-0275904P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Deshayes K,  Lowman HB,  Schaffer ML,  Sidhu SS;
XX
DR   WPI; 2002-732826/79.
XX
```

```
PT   New peptides antagonizing insulin-like growth factor (IGF), useful for
PT   treating disorder such as cancer, diabetic complication exacerbated by
PT   IGF-1, acromegaly, age-related macular degeneration, ischemic injury,
PT   trauma, asthma.
XX
PS   Disclosure; Page 65; 86pp; English.
XX
CC   The invention relates to novel peptides that can antagonise the
CC   interaction of insulin-like growth hormone 1 (IGF-1). The peptides are
CC   useful for treating disorders such as cancer, diabetic complication
CC   exacerbated by IGF-1, e.g. diabetic retinopathy or nephropathy,
CC   acromegaly, age-related macular degeneration, ischemic injury or trauma.
CC   Other disorders that can be treated by the peptide include restenosis or
CC   asthma. This sequence represents a peptide relating to the IGF antagonist
CC   peptides of the invention
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10


RESULT 25
ABR41963
ID   ABR41963 standard; peptide; 10 AA.
XX
AC   ABR41963;
XX
DT   11-AUG-2003  (first entry)
XX
DE   Peptide with oxytocin activity for use as antiinflammatory.
XX
KW   Oxytocin; antiinflammatory; analgesic; antiallergic; antiasthmatic;
KW   dermatological; cyclic.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Disulfide-bond  1. .6
FT                   /note= "when position 1 is Cys"
FT   Modified-site   1. .6
FT                   /note= "thioether bond, when position 1 is beta-
FT                   mercaptopropionic acid"
FT   Misc-difference 1
FT                   /label= Cys, OTHER
FT                   /note= "OTHER = beta-mercaptopropionic acid or nothing"
FT   Misc-difference 2
FT                   /label= Tyr, Phe, OTHER
FT                   /note= "OTHER = O-methyl-tyrosine or nothing"
FT   Misc-difference 3
FT                   /label= Ile, Val, Phe, OTHER
FT                   /note= "OTHER = homophenylalanine, cyclohexylalanine or
FT                   nothing"
FT   Misc-difference 4
FT                   /label= Gln, Ser, Thr, Arg, OTHER
FT                   /note= "OTHER = citrulline, diaminobutyric acid or
FT                   nothing"
FT   Misc-difference 7
FT                   /label= Pro, OTHER
FT                   /note= "OTHER = nothing"
FT   Misc-difference 8
FT                   /label= Ile, Leu, Val, Thr, Arg, OTHER
FT                   /note= "OTHER = homoserine, diaminobutyric acid,
FT                   citrulline or nothing"
FT   Misc-difference 9
FT                   /label= Gly, Ala, OTHER
FT                   /note= "OTHER = nothing"
FT   Modified-site   10
FT                   /note= "C-terminal amide"
FT   Misc-difference 10
FT                   /label= Gly, OTHER
FT                   /note= "OTHER = nothing"
XX
PN   WO2003017922-A2.
XX
PD   06-MAR-2003.
XX
PF   02-SEP-2002; 2002WO-SE001560.
XX
PR   31-AUG-2001; 2001SE-00002910.
XX
PA   (UVNA/) UVNAES-MOBERG K.
PA   (LUND/) LUNDEBERG T.
XX
PI   Uvnaes-Moberg K,  Lundeberg T;
XX
DR   WPI; 2003-371695/35.
XX
PT   Use of substances with oxytocin activity for the preparation of a
PT   pharmaceutical composition against inflammation e.g. edema.
XX
PS   Claim 3; Page 56; 78pp; English.
XX
CC   The present sequence is a generic sequence for peptides of the invention
CC   (see also ABR41964-86) that have oxytocin activity and are useful in
CC   pharmaceutical compositions for treatment of inflammation, e.g. oedema,
CC   hyperalgesia, myeloperoxidase accumulation, cystitis, pancreatitis,
CC   cutaneous inflammation, allergic rhinitis, dermatitis, airway
CC   inflammation, and asthma (all claimed)
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 6;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          6 CXXXX 10


RESULT 26
AAE36134
ID   AAE36134 standard; peptide; 10 AA.
XX
AC   AAE36134;
XX
DT   26-JUN-2003  (first entry)
XX
DE   Peptide with oxytocin activity #1.
XX
KW   Plant growth stimulant; germination; oxytocin.
XX
OS   Unidentified.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /label= Cys, OTHER
FT                   /note= "OTHER = Mpa (beta-mercaptopropionic acid); may or
FT                   may not be present; linked to Cys at position 6 via CH2-S
FT                   -S linkage"
FT   Misc-difference 2
FT                   /label= Tyr, Phe, OTHER
FT                   /note= "OTHER = O-methyl-Tyr; may or may not be present"
FT   Misc-difference 3
FT                   /label= Ile, Val, Phe, OTHER
FT                   /note= "OTHER = Hoph (homophenylalanine), Cha
FT                   (cyclohexylalanine); may or may not be present"
FT   Misc-difference 4
FT                   /label= Gln, Ser, Thr, Arg, OTHER
FT                   /note= "OTHER = Cit (citrulline), Daba (Diaminobutyric
```

```
FT                   acid)"
FT   Misc-difference 6
FT                   /note= "This residue is linked to Xaa at position 1 via
FT                   CH2-S-S linkage"
FT   Misc-difference 7
FT                   /note= "Optionally Pro"
FT   Misc-difference 8
FT                   /label= Ile, Leu, Val, Thr, Arg, OTHER
FT                   /note= "OTHER = Hos (homoserine), Cit, Daba"
FT   Misc-difference 9
FT                   /label= Gly, Ala
FT                   /note= "May or may not be present"
FT   Misc-difference 10
FT                   /note= "Optionally Gly; C-terminal amide"
XX
PN   WO2002102160-A1.
XX
PD   27-DEC-2002.
XX
PF   19-JUN-2002; 2002WO-SE001208.
XX
PR   19-JUN-2001; 2001SE-00002185.
XX
PA   (UVNA/) UVNAES-MOBERG K.
PA   (LUND/) LUNDEGARDH B.
XX
PI   Uvnaes-Moberg K,  Lundegardh B;
XX
DR   WPI; 2003-201338/19.
XX
PT   Use of a substance with oxytocin activity to stimulate plant growth,
PT   dormancy breaking and germination.
XX
PS   Claim 2; Page 19; 41pp; English.
XX
CC   The invention relates to the use of a substance with oxytocin activity in
CC   order to stimulate plant growth, dormancy breaking and germination. The
CC   present sequence is a peptide with oxytocin activity
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 6;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          6 CXXXX 10


RESULT 27
AAE30352
ID   AAE30352 standard; peptide; 10 AA.
XX
AC   AAE30352;
XX
DT   24-FEB-2003  (first entry)
XX
DE   Peptide #1 with oxytocin activity.
XX
KW   Oxytocin; cancer; cervicitis; infection; squamous cell carcinoma;
KW   inflammation; koilocytosis; therapy.
XX
OS   Unidentified.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /note= "Optionally Cys, Mpa (beta- mercaptopropionic
FT                   acid); linked to Cys at position 6 via CH2-S-S linkage"
FT   Misc-difference 2
FT                   /note= "Optionally Tyr, O-methyl-Tyr, Phe"
FT   Misc-difference 3
FT                   /note= "Optionally Ile, Val, Hoph (homophenylalanine),
FT                   Phe, Cha (cyclohexylalanine)"
FT   Misc-difference 4
FT                   /label= Gln, Ser, Thr, Arg, OTHER
FT                   /note= "OTHER = Cit (citrulline), Daba (Diaminobutyric
FT                   acid)"
FT   Misc-difference 6
FT                   /note= "This residue is linked to Xaa at position 1 via
FT                   CH2-S-S linkage"
FT   Misc-difference 7
FT                   /note= "Optionally Pro"
FT   Misc-difference 8
FT                   /note= "Optionally Ile, Leu, Val, Thr, Arg, Hos
FT                   (homoserine), Cit, Daba"
FT   Misc-difference 9
FT                   /note= "Optionally Gly or Ala"
FT   Misc-difference 10
FT                   /note= "Optionally Gly; C-terminal amide"
XX
PN   WO200267974-A1.
XX
PD   06-SEP-2002.
XX
PF   28-FEB-2002; 2002WO-SE000362.
XX
PR   28-FEB-2001; 2001SE-00000684.
XX
PA   (UVNA/) UVNAES-MOBERG K.
PA   (LUND/) LUNDEBERG T.
XX
PI   Uvnaes-Moberg K,  Lundeberg T;
XX
DR   WPI; 2003-029847/02.
XX
PT   New use of at least one substance comprising a polypeptide derivative
PT   with oxytocin activity for the preparation of a pharmaceutical
PT   composition for the treatment of cancer in situ and cervicitis.
XX
PS   Claim 3; Page 20; 41pp; English.
XX
CC   The invention relates to the use of substances with oxytocin activity for
CC   the preparation of a pharmaceutical composition for the treatment of
CC   cancer in situ and cervicitis. The cancer in situ and cervicitis include
CC   diseases in vagina and cervix originating from infections as well as
CC   inflammations. The cancer in situ is related to cervix and also includes
CC   precancerous disease states, squamous cell carcinoma and koilocytosis due
CC   to the herpes virus. The present sequence is a peptide with oxytocin
CC   activity
XX
SQ   Sequence 10 AA;

  Query Match             50.0%;  Score 13;  DB 6;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+04;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXX 5
              |||||
Db          6 CXXXX 10


RESULT 28
ADD84811
ID   ADD84811 standard; peptide; 10 AA.
XX
AC   ADD84811;
XX
DT   29-JAN-2004  (first entry)
XX
DE   Synthetic peptide #28.
XX
KW   Insulin-like growth factor I; IGF-I; growth hormone;
KW   growth hormone releasing peptide; growth hormone releasing hormone;
KW   growth hormone secretagogue; growth hormone binding protein; IGF;
KW   IGF binding protein; insulin; plasma insulin secretion;
```

KW blood glucose level; hyperglycaemic disorder; obesity-related disorder;
KW neurological disorder; cardiac disorder; anabolic disorder;
KW renal disorder; immunological disorder; anorectic; neuroprotective;
KW cardiant; nephrotropic; immunomodulator; antidiabetic.
XX
OS Synthetic.
XX
PN US6632794-B1.
XX
PD 14-OCT-2003.
XX
PF 28-NOV-2000; 2000US-00723547.
XX
PR 04-APR-1997; 97US-00825852.
PR 31-MAR-1998; 98US-00052888.
XX
PA (GETH) GENENTECH INC.
XX
PI Clark RG, Lowman HB, Robinson ICAF;
XX
DR WPI; 2003-810559/76.
XX
PT Increasing serum and tissue levels of biologically active insulin-like
PT growth factor (IGF)-I in a mammal for treating e.g. renal disorder, by
PT administering IGF peptide.
XX
PS Example 7; SEQ ID NO 35; 117pp; English.
XX
CC The invention relates to a method for increasing serum and tissue levels
CC of biologically active insulin-like growth factor I (IGF-I) in a mammal
CC comprising administering a growth hormone, a growth hormone releasing
CC peptide, a growth hormone releasing hormone, a growth hormone
CC secretagogue, a growth hormone in combination with growth hormone binding
CC protein, an IGF, an IGF in combination with an IGF binding protein, an
CC IGF binding protein, insulin or a hypoglycaemic agent. The invention also
CC relates to a method of reducing plasma insulin secretion and blood
CC glucose levels in a mammal. The method is useful for increasing serum and
CC tissue levels of biologically active IGF-I in a mammal for treating
CC hyperglycaemic, obesity-related, neurological, cardiac, anabolic, renal
CC or immunological disorders. This sequence represents a peptide used in
CC the method of the invention.
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          6 XXXXC 10
              |||||
Db          6 XXXXC 10
```

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GenCore version 5.1.6

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Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 70

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Maximum Match 100%
Listing first 250 summaries

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1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
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3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
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5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	100.0	12	4	US-09-284-819-21	Sequence 21, Appl
2	26	100.0	14	3	US-09-326-039-21	Sequence 21, Appl
3	26	100.0	15	3	US-08-950-720A-17	Sequence 17, Appl
4	26	100.0	15	3	US-08-991-890-7	Sequence 7, Appli
5	26	100.0	15	3	US-09-201-226-3	Sequence 3, Appli
6	26	100.0	16	4	US-10-158-847-157	Sequence 157, App
7	26	100.0	17	3	US-09-326-039-19	Sequence 19, Appl
8	26	100.0	18	4	US-08-821-498-45	Sequence 45, Appl
9	26	100.0	19	3	US-08-602-999A-35	Sequence 35, Appl
10	26	100.0	19	4	US-08-278-865-35	Sequence 35, Appl
11	26	100.0	19	4	US-09-500-124-35	Sequence 35, Appl
12	26	100.0	20	3	US-08-825-852-31	Sequence 31, Appl
13	26	100.0	20	3	US-09-052-888-31	Sequence 31, Appl
14	26	100.0	20	4	US-09-723-890-31	Sequence 31, Appl
15	26	100.0	20	4	US-09-723-901-31	Sequence 31, Appl
16	26	100.0	20	4	US-09-723-547-31	Sequence 31, Appl
17	26	100.0	20	4	US-09-724-127-31	Sequence 31, Appl
18	26	100.0	20	4	US-09-723-931-31	Sequence 31, Appl
19	26	100.0	20	4	US-09-723-873-31	Sequence 31, Appl
20	26	100.0	20	4	US-09-724-114-31	Sequence 31, Appl
21	26	100.0	20	4	US-09-723-913-31	Sequence 31, Appl
22	26	100.0	23	2	US-08-701-124-5	Sequence 5, Appli
23	26	100.0	23	3	US-09-130-225-5	Sequence 5, Appli
24	26	100.0	23	4	US-09-455-061-5	Sequence 5, Appli
25	26	100.0	23	4	US-08-884-569A-9	Sequence 9, Appli
26	26	100.0	23	4	US-09-969-192-5	Sequence 5, Appli
27	26	100.0	24	1	US-08-179-481-95	Sequence 95, Appl
28	26	100.0	28	3	US-08-602-999A-36	Sequence 36, Appl
29	26	100.0	28	4	US-08-278-865-36	Sequence 36, Appl
30	26	100.0	28	4	US-09-500-124-36	Sequence 36, Appl
31	26	100.0	31	1	US-08-478-312-19	Sequence 19, Appl
32	26	100.0	31	1	US-08-485-302-19	Sequence 19, Appl
33	26	100.0	31	1	US-08-476-169-15	Sequence 15, Appl
34	26	100.0	31	1	US-08-484-083-15	Sequence 15, Appl
35	26	100.0	36	4	US-10-138-158-8	Sequence 8, Appli
36	26	100.0	40	2	US-08-525-864A-7	Sequence 7, Appli
37	26	100.0	44	4	US-09-480-251-15	Sequence 15, Appl
38	26	100.0	51	3	US-09-320-095-5	Sequence 5, Appli
39	26	100.0	51	3	US-09-523-487-5	Sequence 5, Appli
40	26	100.0	51	4	US-09-388-183-3	Sequence 3, Appli
41	26	100.0	51	4	US-09-740-510-5	Sequence 5, Appli
42	26	100.0	57	2	US-08-525-864A-8	Sequence 8, Appli
43	26	100.0	71	2	US-08-667-025-1	Sequence 1, Appli
44	26	100.0	71	2	US-08-475-174-1	Sequence 1, Appli
45	26	100.0	71	2	US-08-472-817-1	Sequence 1, Appli
46	26	100.0	71	2	US-08-372-218-1	Sequence 1, Appli
47	26	100.0	71	3	US-08-464-514-3	Sequence 3, Appli
48	26	100.0	71	3	US-08-802-468-1	Sequence 1, Appli
49	26	100.0	71	3	US-08-486-403-3	Sequence 3, Appli
50	26	100.0	71	4	US-08-891-298-1	Sequence 1, Appli
51	26	100.0	71	4	US-09-079-570B-1	Sequence 1, Appli
52	26	100.0	71	4	US-08-846-881A-1	Sequence 1, Appli
53	26	100.0	71	4	US-09-352-816-1	Sequence 1, Appli
54	26	100.0	71	4	US-08-877-966B-1	Sequence 1, Appli
55	26	100.0	71	4	US-07-672-530C-33	Sequence 33, Appl
56	26	100.0	71	4	US-08-480-967-1	Sequence 1, Appli
57	26	100.0	71	4	US-09-350-648-1	Sequence 1, Appli
58	26	100.0	122	1	US-08-291-060B-3	Sequence 3, Appli
59	26	100.0	122	1	US-08-291-060B-4	Sequence 4, Appli
60	26	100.0	127	4	US-09-253-316-23	Sequence 23, Appl
61	26	100.0	137	1	US-08-291-060B-2	Sequence 2, Appli
62	26	100.0	271	2	US-08-568-459A-14	Sequence 14, Appl
63	26	100.0	271	2	US-08-487-826B-26	Sequence 26, Appl
64	26	100.0	271	4	US-09-210-288-14	Sequence 14, Appl
65	26	100.0	311	2	US-08-568-459A-21	Sequence 21, Appl
66	26	100.0	311	2	US-08-487-826B-33	Sequence 33, Appl
67	26	100.0	311	4	US-09-210-288-21	Sequence 21, Appl
68	26	100.0	324	2	US-08-568-459A-17	Sequence 17, Appl
69	26	100.0	324	2	US-08-487-826B-29	Sequence 29, Appl
70	26	100.0	324	4	US-09-210-288-17	Sequence 17, Appl

ALIGNMENTS

```
RESULT 1
US-09-284-819-21
; Sequence 21, Application US/09284819
; Patent No. 6365712
; GENERAL INFORMATION:
;  APPLICANT: Kelly, Kathleen
;  APPLICANT: The Government of the United States of America
;  APPLICANT: as represented by The Secretary of the
;  APPLICANT: Department of Health and Human Services
;  TITLE OF INVENTION: Methods and Compositions for Inhibiting Inflammation
;  TITLE OF INVENTION: and Angiogenesis Comprising a Mammalian CD97 Alpha
;  TITLE OF INVENTION: Subunit
;  FILE REFERENCE: 015280-263100US
;  CURRENT APPLICATION NUMBER: US/09/284,819
;  CURRENT FILING DATE: 1999-08-20
;  EARLIER APPLICATION NUMBER: US 60/027,871
;  EARLIER FILING DATE: 1996-10-25
;  EARLIER APPLICATION NUMBER: WO PCT/US97/19772
;  EARLIER FILING DATE: 1997-10-24
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;    LENGTH: 12
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
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;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Asp/Asn
;   OTHER INFORMATION: beta-hydroxylation consensus motif
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (1)..(12)
;   OTHER INFORMATION: Xaa = any amino acid
US-09-284-819-21

  Query Match             100.0%;  Score 26;  DB 4;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 7.4;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 2
US-09-326-039-21
; Sequence 21, Application US/09326039
; Patent No. 6239254
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell
;  TITLE OF INVENTION: Disulfide Core Polypeptides
;  FILE REFERENCE: 98-13
;  CURRENT APPLICATION NUMBER: US/09/326,039
;  CURRENT FILING DATE: 1999-06-04
;  EARLIER APPLICATION NUMBER: 60/088,136
;  EARLIER FILING DATE: 1998-06-04
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 21
;   LENGTH: 14
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (0)...(0)
;   OTHER INFORMATION: Xaa is any amino acid residue except for cysteine.
US-09-326-039-21

  Query Match             100.0%;  Score 26;  DB 3;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 3
US-08-950-720A-17
; Sequence 17, Application US/08950720A
; Patent No. 6046028
;  GENERAL INFORMATION:
;    APPLICANT:  Conklin, Darrell C.
;    APPLICANT:  Lofton-Day, Catherine E.
;    APPLICANT:  Lok, Si
;    APPLICANT:  Jaspers, Stephen R.
;    TITLE OF INVENTION:  INSULIN HOMOLOG
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ZymoGenetics, Inc.
;      STREET:  1201 Eastlake Avenue East
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,720A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sawislak, Deborah A
;      REGISTRATION NUMBER:  37,438
;      REFERENCE/DOCKET NUMBER:  96-09
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-442-6672
;      TELEFAX:  206-442-6678
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6046028e
;    FEATURE:
;      NAME/KEY:  Other
;      LOCATION:  3...14
;      OTHER INFORMATION:  Xaa is any amino acid except Cys
US-08-950-720A-17

  Query Match             100.0%;  Score 26;  DB 3;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 8.1;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 4
US-08-991-890-7
; Sequence 7, Application US/08991890
; Patent No. 6114307
;  GENERAL INFORMATION:
;    APPLICANT:  Jaspers, Stephen R.
;    APPLICANT:  Sprugel, Katherine H.
;    APPLICANT:  Ren, Hong Ping
;    APPLICANT:  Humes, Jacqueline M.
;    APPLICANT:  Hoffman, Ross C.
;    APPLICANT:  Conklin, Darrell C.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR
;    TITLE OF INVENTION:  STIMULATING PANCREATIC ISLET CELL REGENERATION
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ZymoGenetics, Inc.
;      STREET:  1201 Eastlake Avenue East
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/991,890
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/033,003
;      FILING DATE:  December 16, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sawislak, Deborah A
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;       REGISTRATION NUMBER:  37,438
;       REFERENCE/DOCKET NUMBER:  96-41
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-442-6672
;       TELEFAX:  206-442-6678
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     FEATURE:
;       NAME/KEY:  Other
;       LOCATION:  3...5
;       OTHER INFORMATION:  Xaa is any amino acid except Cys
;       NAME/KEY:  Other
;       LOCATION:  7...14
;       OTHER INFORMATION:  Xaa is any amino acid except Cys
US-08-991-890-7

  Query Match             100.0%;  Score 26;  DB 3;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 8.1;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 5
US-09-201-226-3
; Sequence 3, Application US/09201226
; Patent No. 6135942
; GENERAL INFORMATION:
;  APPLICANT: Leptin, Maria
;  TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS OF A D. MELANOGASTER
;  TITLE OF INVENTION: INSULIN-LIKE GENE AND USES THEREOF
;  FILE REFERENCE: 7326-077
;  CURRENT APPLICATION NUMBER: US/09/201,226
;  CURRENT FILING DATE: 1998-11-30
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 15
;   TYPE: PRT
;   ORGANISM: Drosophila melanogaster
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (3)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (4)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (5)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (7)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (8)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (9)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (10)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (11)
;   OTHER INFORMATION: Xaa=Leu, Ile, Val, Met, or Phe
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (12)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (13)
;   OTHER INFORMATION: Xaa=any amino acid
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (14)
;   OTHER INFORMATION: Xaa=any amino acid
US-09-201-226-3

  Query Match             100.0%;  Score 26;  DB 3;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 8.1;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 6
US-10-158-847-157
; Sequence 157, Application US/10158847
; Patent No. 6592865
; GENERAL INFORMATION:
;  APPLICANT: Tom Parry et al.
;  TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
;  FILE REFERENCE: PF557
;  CURRENT APPLICATION NUMBER: US/10/158,847
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: 60/295,004
;  PRIOR FILING DATE: 2001-06-04
;  NUMBER OF SEQ ID NOS: 158
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: homo sapiens
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(3)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (5)..(12)
;   OTHER INFORMATION: X equals any amino acid
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (14)..(16)
;   OTHER INFORMATION: X equals any amino acid
US-10-158-847-157

  Query Match             100.0%;  Score 26;  DB 4;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 8.3;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 7
US-09-326-039-19
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; Sequence 19, Application US/09326039
; Patent No. 6239254
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; TITLE OF INVENTION: Disulfide Core Polypeptides
; FILE REFERENCE: 98-13
; CURRENT APPLICATION NUMBER: US/09/326,039
; CURRENT FILING DATE: 1999-06-04
; EARLIER APPLICATION NUMBER: 60/088,136
; EARLIER FILING DATE: 1998-06-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: Xaa is any amino acid residue except for cysteine.
US-09-326-039-19

Query Match 100.0%; Score 26; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 8 CXXXXXXXXC 17

RESULT 8
US-08-821-498-45
; Sequence 45, Application US/08821498
; Patent No. 6326155
; GENERAL INFORMATION:
; APPLICANT: MACLENNAN,John M
; APPLICANT: LADNER,Robert C
; TITLE OF INVENTION: Engineering Affinity Ligands for Macromolecules
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 75 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,498
; FILING DATE: 20-March-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/619,885
; FILING DATE: 20-March-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: YANKWICH, Leon R
; REGISTRATION NUMBER: 30,237
; REFERENCE/DOCKET NUMBER: DYX-1CIP US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-345-9100
; TELEFAX: 617-345-9111
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-821-498-45

Query Match 100.0%; Score 26; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 6 CXXXXXXXXC 15

RESULT 9
US-08-602-999A-35
; Sequence 35, Application US/08602999A
; Patent No. 6184205
; GENERAL INFORMATION:
; APPLICANT: SPARKS, Andrew B.
; APPLICANT: KAY, Brian K.
; APPLICANT: THORN, Judith M.
; APPLICANT: QUILLIAM, Lawrence A.
; APPLICANT: DER, Channing J.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: RIDER, James E.
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
; TITLE OF INVENTION: ISOLATING AND USING SAME
; NUMBER OF SEQUENCES: 467
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/602,999A
; FILING DATE: 16-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 1101-202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: N-terminal
US-08-602-999A-35

Query Match 100.0%; Score 26; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
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Db 3 CXXXXXXXXC 12

RESULT 10
US-08-278-865-35
; Sequence 35, Application US/08278865
; Patent No. 6303574
; GENERAL INFORMATION:

```
;    APPLICANT:  KAY, BRIAN K.
;    APPLICANT:  SPARKS, ANDREW B.
;    APPLICANT:  THORN, JUDITH M.
;    APPLICANT:  QUILLIAM, LAWRENCE A.
;    APPLICANT:  DER, CHANNING J.
;    TITLE OF INVENTION:  Src SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. Jefferson Davis Highway, Suite 400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/278,865
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Villacorta, Gilberto M.
;      REGISTRATION NUMBER:  34,038
;      REFERENCE/DOCKET NUMBER:  4980-007-0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 413-3000
;      TELEFAX:  (703) 413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-08-278-865-35

  Query Match             100.0%;  Score 26;  DB 4;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 8.8;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 11
US-09-500-124-35
; Sequence 35, Application US/09500124
; Patent No. 6432920
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/500,124
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/602,999
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-09-500-124-35

  Query Match             100.0%;  Score 26;  DB 4;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 8.8;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 12
US-08-825-852-31
; Sequence 31, Application US/08825852
; Patent No. 6221416
;  GENERAL INFORMATION:
;    APPLICANT:  Clark, Ross Gl
;    APPLICANT:  Lowman, Henry B.
;    APPLICANT:  Robinson, Iain C.A.F.
;    TITLE OF INVENTION:  Insulin-like Growth Factor Agonist Molecules
;    NUMBER OF SEQUENCES:  79
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  1 DNA Way
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WinPatin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/825,852
;      FILING DATE:  04-Apr-1997
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  P1071
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650/225-1896
;      TELEFAX:  650/952-9881
;  INFORMATION FOR SEQ ID NO:  31:
;    SEQUENCE CHARACTERISTICS:
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;       LENGTH:  20 amino acids
;       TYPE:  Amino Acid
;       TOPOLOGY:  Linear
US-08-825-852-31

  Query Match             100.0%;  Score 26;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 13
US-09-052-888-31
; Sequence 31, Application US/09052888
; Patent No. 6251865
;  GENERAL INFORMATION:
;    APPLICANT:  Clark, Ross Gl
;    APPLICANT:  Lowman, Henry B.
;    APPLICANT:  Robinson, Iain C.A.F.
;    TITLE OF INVENTION:  Insulin-like Growth Factor Agonist Molecules
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  1 DNA Way
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WinPatin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/052,888
;      FILING DATE:  31-Mar-1998
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  P1071P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650/225-1896
;      TELEFAX:  650/952-9881
;  INFORMATION FOR SEQ ID NO:  31:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  Amino Acid
;      TOPOLOGY:  Linear
US-09-052-888-31

  Query Match             100.0%;  Score 26;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 14
US-09-723-890-31
; Sequence 31, Application US/09723890
; Patent No. 6608031
;  GENERAL INFORMATION:
;       APPLICANT: Clark, Ross Gl
;                  Lowman, Henry B.
;                  Robinson, Iain C.A.F.
;       TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Genentech, Inc.
;            STREET: 1 DNA Way
;            CITY: South San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94080
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: WinPatin (Genentech)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/723,890
;            FILING DATE: 28-No. 6608031-2000
;            CLASSIFICATION: 514
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/052,888
;            FILING DATE: 31-Mar-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Hasak, Janet E.
;            REGISTRATION NUMBER: 28,616
;            REFERENCE/DOCKET NUMBER: P1071P1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650/225-1896
;            TELEFAX: 650/952-9881
;  INFORMATION FOR SEQ ID NO: 31:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: Amino Acid
;            TOPOLOGY: Linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-890-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 15
US-09-723-901-31
; Sequence 31, Application US/09723901
; Patent No. 6620789
;  GENERAL INFORMATION:
;       APPLICANT: Clark, Ross Gl
;                  Lowman, Henry B.
;                  Robinson, Iain C.A.F.
;       TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Genentech, Inc.
;            STREET: 1 DNA Way
;            CITY: South San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94080
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: WinPatin (Genentech)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/723,901
;            FILING DATE: 28-No. 6620789-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/052,888
;            FILING DATE: 31-Mar-1998
;       ATTORNEY/AGENT INFORMATION:
```

```
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;    INFORMATION FOR SEQ ID NO: 31:
;          SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;          SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-901-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 16
US-09-723-547-31
; Sequence 31, Application US/09723547
; Patent No. 6632794
;   GENERAL INFORMATION:
;        APPLICANT: Clark, Ross Gl
;                   Lowman, Henry B.
;                   Robinson, Iain C.A.F.
;        TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 1 DNA Way
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/723,547
;             FILING DATE: 28-No. 6632794-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/052,888
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;    INFORMATION FOR SEQ ID NO: 31:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-547-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 17
US-09-724-127-31
; Sequence 31, Application US/09724127
; Patent No. 6635619
;   GENERAL INFORMATION:
;        APPLICANT: Clark, Ross Gl
;                   Lowman, Henry B.
;                   Robinson, Iain C.A.F.
;        TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 1 DNA Way
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/724,127
;             FILING DATE: 28-No. 6635619-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/052,888
;             FILING DATE: 31-Mar-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;    INFORMATION FOR SEQ ID NO: 31:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-724-127-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 18
US-09-723-931-31
; Sequence 31, Application US/09723931
; Patent No. 6645775
;   GENERAL INFORMATION:
;        APPLICANT: Clark, Ross Gl
;                   Lowman, Henry B.
;                   Robinson, Iain C.A.F.
;        TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 1 DNA Way
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
```

```
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/723,931
;             FILING DATE: 28-No. 6645775-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/052,888
;             FILING DATE: 31-Mar-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;   INFORMATION FOR SEQ ID NO: 31:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-931-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 19
US-09-723-873-31
; Sequence 31, Application US/09723873
; Patent No. 6677305
;   GENERAL INFORMATION:
;        APPLICANT: Clark, Ross Gl
;                   Lowman, Henry B.
;                   Robinson, Iain C.A.F.
;        TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 1 DNA Way
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/723,873
;             FILING DATE: 28-No. 6677305-2000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/052,888
;             FILING DATE: 31-Mar-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;   INFORMATION FOR SEQ ID NO: 31:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-873-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 20
US-09-724-114-31
; Sequence 31, Application US/09724114
; Patent No. 6680298
;   GENERAL INFORMATION:
;        APPLICANT: Clark, Ross Gl
;                   Lowman, Henry B.
;                   Robinson, Iain C.A.F.
;        TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 1 DNA Way
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/724,114
;             FILING DATE: 28-No. 6680298-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/052,888
;             FILING DATE: 31-Mar-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Hasak, Janet E.
;             REGISTRATION NUMBER: 28,616
;             REFERENCE/DOCKET NUMBER: P1071P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650/225-1896
;             TELEFAX: 650/952-9881
;   INFORMATION FOR SEQ ID NO: 31:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: Amino Acid
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-724-114-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 21
US-09-723-913-31
; Sequence 31, Application US/09723913
; Patent No. 6683053
;   GENERAL INFORMATION:
```

```
;       APPLICANT: Clark, Ross Gl
;                  Lowman, Henry B.
;                  Robinson, Iain C.A.F.
;       TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Genentech, Inc.
;            STREET: 1 DNA Way
;            CITY: South San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94080
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: WinPatin (Genentech)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/723,913
;            FILING DATE: 28-No. 6683053-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/052,888
;            FILING DATE: 31-Mar-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Hasak, Janet E.
;            REGISTRATION NUMBER: 28,616
;            REFERENCE/DOCKET NUMBER: P1071P1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650/225-1896
;            TELEFAX: 650/952-9881
;   INFORMATION FOR SEQ ID NO: 31:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: Amino Acid
;            TOPOLOGY: Linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-913-31

  Query Match             100.0%;  Score 26;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          6 CXXXXXXXXC 15


RESULT 22
US-08-701-124-5
; Sequence 5, Application US/08701124
; Patent No. 5846782
;  GENERAL INFORMATION:
;    APPLICANT: Wickham, Thomas J.
;    APPLICANT: Roelvink, Petrus W.
;    APPLICANT: Kovesdi, Imre
;    TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
;    TITLE OF INVENTION: CONSTRAINED PEPTIDE MOTIFS
;    NUMBER OF SEQUENCES: 80
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Leydig, Voit & Mayer, Ltd.
;      STREET: Two Prudential Plaza - 49th Floor
;      CITY: Chicago
;      STATE: Illinois
;      COUNTRY: USA
;      ZIP: 60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/701,124
;      FILING DATE: 21-AUG-1996
;  INFORMATION FOR SEQ ID NO: 5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 23 amino acids
;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;    MOLECULE TYPE: peptide
US-08-701-124-5

  Query Match             100.0%;  Score 26;  DB 2;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.5;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 23
US-09-130-225-5
; Sequence 5, Application US/09130225
; Patent No. 6057155
;  GENERAL INFORMATION:
;    APPLICANT: Wickham, Thomas J.
;    APPLICANT: Roelvink, Petrus W.
;    APPLICANT: Kovesdi, Imre
;    TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
;    TITLE OF INVENTION: CONSTRAINED PEPTIDE MOTIFS
;    NUMBER OF SEQUENCES: 80
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Leydig, Voit & Mayer, Ltd.
;      STREET: Two Prudential Plaza - 49th Floor
;      CITY: Chicago
;      STATE: Illinois
;      COUNTRY: USA
;      ZIP: 60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/09/130,225
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 8-701124
;      FILING DATE: 21-AUG-1996
;  INFORMATION FOR SEQ ID NO: 5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 23 amino acids
;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;    MOLECULE TYPE: peptide
US-09-130-225-5

  Query Match             100.0%;  Score 26;  DB 3;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.5;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 24
US-09-455-061-5
; Sequence 5, Application US/09455061
; Patent No. 6329190
;  GENERAL INFORMATION:
;    APPLICANT: Wickham, Thomas J.
;    APPLICANT: Roelvink, Petrus W.
```

```
;    APPLICANT:  Kovesdi, Imre
;    TITLE OF INVENTION:  TARGETING ADENOVIRUS WITH USE OF
;    TITLE OF INVENTION:  CONSTRAINED PEPTIDE MOTIFS
;    NUMBER OF SEQUENCES:  80
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Leydig, Voit & Mayer, Ltd.
;      STREET:  Two Prudential Plaza - 49th Floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/455,061
;      FILING DATE:  06-DEC-1999
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 9-130225
;      FILING DATE:  06-AUG-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 8-701124
;      FILING DATE:  21-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hefner, M. Daniel
;      REGISTRATION NUMBER:  41,826
;      REFERENCE/DOCKET NUMBER:  203128
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-455-061-5

  Query Match             100.0%;  Score 26;  DB 4;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.5;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 25
US-08-884-569A-9
; Sequence 9, Application US/08884569A
; Patent No. 6399326
; GENERAL INFORMATION:
;  APPLICANT: CHIANG, MING-KO
;  APPLICANT:  FLANAGAN, JOHN G.
;  TITLE OF INVENTION: RECEPTOR TYROSINE PHOSPHATASE, AND USES RELATED THERETO
;  FILE REFERENCE: HMV-020.01
;  CURRENT APPLICATION NUMBER: US/08/884,569A
;  CURRENT FILING DATE:  1997-06-27
;  PRIOR APPLICATION NUMBER: 60/021,040
;  PRIOR FILING DATE: 1996-07-02
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 23
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Consensus
;   OTHER INFORMATION: peptide
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(7)
;   OTHER INFORMATION: Variable amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (9)..(13)
;   OTHER INFORMATION: Variable amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (15)..(22)
;   OTHER INFORMATION: Variable amino acid
US-08-884-569A-9

  Query Match             100.0%;  Score 26;  DB 4;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.5;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         14 CXXXXXXXXC 23


RESULT 26
US-09-969-192-5
; Sequence 5, Application US/09969192
; Patent No. 6649407
;  GENERAL INFORMATION:
;       APPLICANT: WICKHAM, THOMAS J.
;                  ROELVINK, PETRUS W.
;                  KOVESDI, IMRE
;       TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
;                           CONSTRAINED PEPTIDE MOTIFS
;       NUMBER OF SEQUENCES: 80
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Leydig, Voit & Mayer, Ltd.
;            STREET: Two Prudential Plaza - 49th Floor
;            CITY: Chicago
;            STATE: Illinois
;            COUNTRY: USA
;            ZIP: 60601
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/969,192
;            FILING DATE: 01-Oct-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 9-455061
;            FILING DATE: 06-DEC-1999
;            APPLICATION NUMBER: US 9-130225
;            FILING DATE: 06-AUG-1998
;            APPLICATION NUMBER: US 8-701124
;            FILING DATE: 21-AUG-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Hefner, M. Daniel
;            REGISTRATION NUMBER: 41,826
;            REFERENCE/DOCKET NUMBER: 213564
;   INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 23 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-969-192-5

  Query Match             100.0%;  Score 26;  DB 4;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.5;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 27
```

```
US-08-179-481-95
; Sequence 95, Application US/08179481
; Patent No. 5624816
;  GENERAL INFORMATION:
;    APPLICANT:  CARRAWAY, KERMIT L.
;    APPLICANT:  CAROTHERS CARRAWAY, CORALIE A.
;    APPLICANT:  FREGIEN, NEVIS L.
;    TITLE OF INVENTION:  ONCOGENE PRODUCT LIGAND
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3918
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/179,481
;      FILING DATE:  28-DEC-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/922,521
;      FILING DATE:  30-JUL-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KOKULIS, PAUL N.
;      REGISTRATION NUMBER:  16,773
;      REFERENCE/DOCKET NUMBER:  200702/UM92-08CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 861-3000
;      TELEFAX:  (202) 822-0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  95:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-179-481-95

  Query Match             100.0%;  Score 26;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 9.7;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         14 CXXXXXXXXC 23


RESULT 28
US-08-602-999A-36
; Sequence 36, Application US/08602999A
; Patent No. 6184205
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  POWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,999A
;      FILING DATE:  16-FEB-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-08-602-999A-36

  Query Match             100.0%;  Score 26;  DB 3;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 10;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 29
US-08-278-865-36
; Sequence 36, Application US/08278865
; Patent No. 6303574
;  GENERAL INFORMATION:
;    APPLICANT:  KAY, BRIAN K.
;    APPLICANT:  SPARKS, ANDREW B.
;    APPLICANT:  THORN, JUDITH M.
;    APPLICANT:  QUILLIAM, LAWRENCE A.
;    APPLICANT:  DER, CHANNING J.
;    TITLE OF INVENTION:  Src SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. Jefferson Davis Highway, Suite 400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/278,865
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Villacorta, Gilberto M.
;      REGISTRATION NUMBER:  34,038
;      REFERENCE/DOCKET NUMBER:  4980-007-0
;    TELECOMMUNICATION INFORMATION:
```

```
;      TELEPHONE:  (703) 413-3000
;      TELEFAX:  (703) 413-2220
;      TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  36:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  28 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  protein
US-08-278-865-36

  Query Match             100.0%;  Score 26;  DB 4;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 10;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 30
US-09-500-124-36
; Sequence 36, Application US/09500124
; Patent No. 6432920
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  THORN, Judith M.
;    APPLICANT:  QUILLIAM, Lawrence A.
;    APPLICANT:  DER, Channing J.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  RIDER, James E.
;    TITLE OF INVENTION:  SH3 BINDING PEPTIDES AND METHODS OF
;    TITLE OF INVENTION:  ISOLATING AND USING SAME
;    NUMBER OF SEQUENCES:  467
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/500,124
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/602,999
;      FILING DATE:  16-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-202
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-09-500-124-36

  Query Match             100.0%;  Score 26;  DB 4;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 10;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          3 CXXXXXXXXC 12


RESULT 31
US-08-478-312-19
; Sequence 19, Application US/08478312
; Patent No. 5654276
;  GENERAL INFORMATION:
;    APPLICANT:  Barrett, Ronald W.
;    APPLICANT:  England, Bruce
;    APPLICANT:  Schatz, Peter
;    APPLICANT:  Sloan, Derek
;    APPLICANT:  Chen, Min-Jia
;    TITLE OF INVENTION:  Peptides and Compounds That Bind to the IL-5
;    TITLE OF INVENTION:  Receptor
;    NUMBER OF SEQUENCES:  59
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Affymax Technologies, N.V.
;      STREET:  4001 Miranda Ave.
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/478,312
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens, Lauren L.
;      REGISTRATION NUMBER:  36,691
;      REFERENCE/DOCKET NUMBER:  1088.1A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-496-2300
;      TELEFAX:  415-424-0832
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  31 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-478-312-19

  Query Match             100.0%;  Score 26;  DB 1;  Length 31;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 32
US-08-485-302-19
; Sequence 19, Application US/08485302
; Patent No. 5668110
;  GENERAL INFORMATION:
;    APPLICANT:  Barrett, Ronald W.
;    APPLICANT:  England, Bruce
;    APPLICANT:  Schatz, Peter
;    APPLICANT:  Sloan, Derek
;    APPLICANT:  Chen, Min-Jia
;    TITLE OF INVENTION:  Peptides and Compounds That Bind to the IL-5
;    TITLE OF INVENTION:  Receptor
```

```
;    NUMBER OF SEQUENCES:  59
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Affymax Technologies, N.V.
;      STREET:  4001 Miranda Ave.
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/485,302
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens, Lauren L.
;      REGISTRATION NUMBER:  36,691
;      REFERENCE/DOCKET NUMBER:  1088.1B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-496-2300
;      TELEFAX:  415-424-0832
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  31 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-485-302-19

  Query Match             100.0%;  Score 26;  DB 1;  Length 31;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 33
US-08-476-169-15
; Sequence 15, Application US/08476169
; Patent No. 5677280
;  GENERAL INFORMATION:
;    APPLICANT:  Barrett, Ronald W.
;    APPLICANT:  England, Bruce
;    APPLICANT:  Schatz, Peter
;    APPLICANT:  Sloan, Derek
;    APPLICANT:  Chen, Min-Jia
;    TITLE OF INVENTION:  Peptides and Compounds That Bind to the IL-5
;    TITLE OF INVENTION:  Receptor
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Affymax Technologies, N.V.
;      STREET:  4001 Miranda Ave.
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/476,169
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens, Lauren L.
;      REGISTRATION NUMBER:  36,691
;      REFERENCE/DOCKET NUMBER:  1088.2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-496-2300
;      TELEFAX:  415-424-0832
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  31 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-476-169-15

  Query Match             100.0%;  Score 26;  DB 1;  Length 31;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 34
US-08-484-083-15
; Sequence 15, Application US/08484083
; Patent No. 5683983
;  GENERAL INFORMATION:
;    APPLICANT:  Barrett, Ronald W.
;    APPLICANT:  England, Bruce
;    APPLICANT:  Schatz, Peter
;    APPLICANT:  Sloan, Derek
;    APPLICANT:  Chen, Min-Jia
;    TITLE OF INVENTION:  Peptides and Compounds That Bind to the IL-5
;    TITLE OF INVENTION:  Receptor
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Affymax Technologies, N.V.
;      STREET:  4001 Miranda Ave.
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,083
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens, Lauren L.
;      REGISTRATION NUMBER:  36,691
;      REFERENCE/DOCKET NUMBER:  1088.2B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-496-2300
;      TELEFAX:  415-424-0832
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  31 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-484-083-15

  Query Match             100.0%;  Score 26;  DB 1;  Length 31;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
```

```
                  ||||||||||
Db          4 CXXXXXXXXC 13


RESULT 35
US-10-138-158-8
; Sequence 8, Application US/10138158
; Patent No. 6677307
; GENERAL INFORMATION:
;  APPLICANT: STEM CELL PHARMACEUTICALS, INC.
;  APPLICANT:  TWARDZIK, Daniel R.
;  APPLICANT:  PERNET, Andre
;  APPLICANT:  FELKER, Thomas S.
;  APPLICANT:  PASKELL, Stefan
;  APPLICANT:  RENO, John M.
;  TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE T
;  FILE REFERENCE: STEM1110-6
;  CURRENT APPLICATION NUMBER: US/10/138,158
;  CURRENT FILING DATE:  2002-08-08
;  PRIOR APPLICATION NUMBER: US 09/641,587
;  PRIOR FILING DATE: 2000-08-17
;  PRIOR APPLICATION NUMBER: US 09/559,248
;  PRIOR FILING DATE: 2000-04-26
;  PRIOR APPLICATION NUMBER: US 09/459,813
;  PRIOR FILING DATE: 1999-12-13
;  PRIOR APPLICATION NUMBER: US 09/492,935
;  PRIOR FILING DATE: 2000-01-27
;  PRIOR APPLICATION NUMBER: US 09/378,567
;  PRIOR FILING DATE: 1999-08-19
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 36
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (1)..(36)
;   OTHER INFORMATION: Xaa is any amino acid
US-10-138-158-8

  Query Match             100.0%;  Score 26;  DB 4;  Length 36;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         27 CXXXXXXXXC 36


RESULT 36
US-08-525-864A-7
; Sequence 7, Application US/08525864A
; Patent No. 5912326
;  GENERAL INFORMATION:
;    APPLICANT:  Chang, Han
;    TITLE OF INVENTION:  Cerebellum-derived Growth Factors, and Uses
;    TITLE OF INVENTION:  Related thereto
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  28 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  AscII (text)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/525,864A
;      FILING DATE:  8-SEP-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kara, Catherine J.
;      REGISTRATION NUMBER:  41,106
;      REFERENCE/DOCKET NUMBER:  HUI-017
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)227-7400
;      TELEFAX:  (617)742-4214
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FRAGMENT TYPE:  internal
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2-8
;      OTHER INFORMATION:  /note= "Xaa is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  10-13
;      OTHER INFORMATION:  /note= "Xaa is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  14
;      OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  16-25
;      OTHER INFORMATION:  /note= "Xaa is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  26, 27, 28
;      OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  30
;      OTHER INFORMATION:  /note= "Xaa is any amino acid"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  32-39
;      OTHER INFORMATION:  /note= "Xaa is any amino acid"
US-08-525-864A-7

  Query Match             100.0%;  Score 26;  DB 2;  Length 40;
  Best Local Similarity   100.0%;  Pred. No. 12;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         31 CXXXXXXXXC 40


RESULT 37
US-09-480-251-15
; Sequence 15, Application US/09480251
; Patent No. 6465719
; GENERAL INFORMATION:
;  APPLICANT:   DeRose, Richard
;  APPLICANT:  Freyssinet, Georges
;  APPLICANT:  Hoffman, Jules
;  TITLE OF INVENTION:  Chimeric Gene Encoding Drosomycin,
;  TITLE OF INVENTION:  Vector Containing It And Production Of Disease-Resistant
;  TITLE OF INVENTION:  Transgenic Plants
;  FILE REFERENCE:   A32889-PCT-USA-A
;  CURRENT APPLICATION NUMBER: US/09/480,251
;  CURRENT FILING DATE:  2000-01-11
;  PRIOR APPLICATION NUMBER:   PCT/FR98/01462
;  PRIOR FILING DATE:   1998-07-08
;  PRIOR APPLICATION NUMBER:   FRANCE 97/09,115
;  PRIOR FILING DATE:   1997-07-11
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;  PRIOR APPLICATION NUMBER:   FRANCE 9709,663
;  PRIOR FILING DATE:   1997-07-24
;  NUMBER OF SEQ ID NOS:   15
;  SOFTWARE:   FastSEQ for Windows Version 3.0
; SEQ ID NO 15
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Drosomycin core sequence
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(1)
;   OTHER INFORMATION: Perferably Asp
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Preferably Leu
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(10)
;   OTHER INFORMATION: Preferably Pro
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Preferably Ala
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Preferably Thr
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Preferably Arg
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Preferably Val
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(24)
;   OTHER INFORMATION: Preferably Lys
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(32)
;   OTHER INFORMATION: Preferably His
;   NAME/KEY: VARIANT
;   LOCATION: (34)...(34)
;   OTHER INFORMATION: Preferably Ser
;   NAME/KEY: VARIANT
;   LOCATION: (38)...(38)
;   OTHER INFORMATION: Preferably Lys
;   NAME/KEY: VARIANT
;   LOCATION: (40)...(40)
;   OTHER INFORMATION: Preferably Trp
;   NAME/KEY: VARIANT
;   LOCATION: (42)...(42)
;   OTHER INFORMATION: Preferably Glu
;   NAME/KEY: VARIANT
;   LOCATION: (43)...(43)
;   OTHER INFORMATION: Preferably Gly
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(9)
;   OTHER INFORMATION: Preferably Ser Gly Arg Tyr Lys Gly
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(17)
;   OTHER INFORMATION: Preferably Val Trp Asp Asn Glu
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Preferably Arg
;   NAME/KEY: VARIANT
;   LOCATION: (25)...(31)
;   OTHER INFORMATION: Preferably Glu Glu Gly Arg Ser Ser Gly
;   NAME/KEY: VARIANT
;   LOCATION: (35)...(37)
;   OTHER INFORMATION: Preferably Pro Ser Leu
US-09-480-251-15

  Query Match           100.0%;  Score 26;  DB 4;  Length 44;
  Best Local Similarity  100.0%;  Pred. No. 12;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          2 CXXXXXXXXC 11


RESULT 38
US-09-320-095-5
; Sequence 5, Application US/09320095
; Patent No. 6087473
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Gao, Zeren
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE AND MATERIALS
;  TITLE OF INVENTION: AND METHODS FOR MAKING IT
;  FILE REFERENCE: 98-22
;  CURRENT APPLICATION NUMBER: US/09/320,095
;  CURRENT FILING DATE: 1999-05-26
;  EARLIER APPLICATION NUMBER: US 60/087,032
;  EARLIER FILING DATE: 1998-05-28
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: polypeptide motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(2)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
;   OTHER INFORMATION: Pro, Trp or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
;   OTHER INFORMATION: Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
;   OTHER INFORMATION: Tyr or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(5)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
;   OTHER INFORMATION: Ser, Thr or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(6)
;   OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
;   OTHER INFORMATION: or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
;   OTHER INFORMATION: Met, Phe or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Gly or Glu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
;   OTHER INFORMATION: Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
;   OTHER INFORMATION: Pro, Trp and Val
;   FEATURE:
```

; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
; OTHER INFORMATION: and Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro, Thr
; OTHER INFORMATION: or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His,
; OTHER INFORMATION: Ser, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His,
; OTHER INFORMATION: Met, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or
; OTHER INFORMATION: Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
; OTHER INFORMATION: Tyr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)
; OTHER INFORMATION: Xaa is Phe or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (30)...(30)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (31)...(31)
; OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is Ser, Gly or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (33)...(33)
; OTHER INFORMATION: Xaa is Gly or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (36)...(36)
; OTHER INFORMATION: Xaa is Gly, Lys or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa is Asn, Lys or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (38)...(38)
; OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro,
; OTHER INFORMATION: Thr, Trp, Tyr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (39)...(39)
; OTHER INFORMATION: Xaa is Asn or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (40)...(40)
; OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is Phe, Tyr or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (42)...(42)
; OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (43)...(43)
; OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (44)...(44)
; OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (45)...(45)
; OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro

Query Match 100.0%; Score 26; DB 3; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 CXXXXXXXXC 10
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Db          1 CXXXXXXXXC 10
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RESULT 39
US-09-523-487-5

```
; Sequence 5, Application US/09523487
; Patent No. 6232098
; GENERAL INFORMATION:
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Gao, Zeren
;  TITLE OF INVENTION:  KUNITZ DOMAIN POLYPEPTIDE AND MATERIALS
;  TITLE OF INVENTION:  AND METHODS FOR MAKING IT
;  FILE REFERENCE:  98-22
;  CURRENT APPLICATION NUMBER: US/09/523,487
;  CURRENT FILING DATE:  2000-03-10
;  PRIOR APPLICATION NUMBER:  09/320,095
;  PRIOR FILING DATE:  1999-05-26
;  NUMBER OF SEQ ID NOS:  20
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: polypeptide motif
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(2)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
;   OTHER INFORMATION: Pro, Trp or Val
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
;   OTHER INFORMATION: Pro
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
;   OTHER INFORMATION: Tyr or Val
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(5)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
;   OTHER INFORMATION: Ser, Thr or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(6)
;   OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
;   OTHER INFORMATION: or Met
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
;   OTHER INFORMATION: Met, Phe or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Gly or Glu
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
;   OTHER INFORMATION: Thr
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
;   OTHER INFORMATION: Pro, Trp and Val
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
;   OTHER INFORMATION: and Ser
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(13)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro, Thr
;   OTHER INFORMATION: or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His,
;   OTHER INFORMATION: Ser, Trp or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His,
;   OTHER INFORMATION: Met, Trp or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or
;   OTHER INFORMATION: Ile
;   NAME/KEY: VARIANT
;   LOCATION: (17)...(17)
;   OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(19)
;   OTHER INFORMATION: Xaa is Tyr or Phe
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (23)...(23)
;   OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
;   NAME/KEY: VARIANT
;   LOCATION: (24)...(24)
;   OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
;   NAME/KEY: VARIANT
;   LOCATION: (25)...(25)
;   OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
;   NAME/KEY: VARIANT
;   LOCATION: (27)...(27)
;   OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (28)...(28)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (29)...(29)
;   OTHER INFORMATION: Xaa is Phe or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (30)...(30)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
;   NAME/KEY: VARIANT
;   LOCATION: (31)...(31)
;   OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(32)
;   OTHER INFORMATION: Xaa is Ser, Gly or Thr
;   NAME/KEY: VARIANT
;   LOCATION: (33)...(33)
;   OTHER INFORMATION: Xaa is Gly or Ile
;   NAME/KEY: VARIANT
;   LOCATION: (35)...(35)
;   OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
;   NAME/KEY: VARIANT
;   LOCATION: (36)...(36)
;   OTHER INFORMATION: Xaa is Gly, Lys or Ala
;   NAME/KEY: VARIANT
;   LOCATION: (37)...(37)
;   OTHER INFORMATION: Xaa is Asn, Lys or Ser
;   NAME/KEY: VARIANT
;   LOCATION: (38)...(38)
;   OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp,
;   NAME/KEY: VARIANT
;   LOCATION: (39)...(39)
;   OTHER INFORMATION: Xaa is Asn or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (40)...(40)
;   OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
;   NAME/KEY: VARIANT
;   LOCATION: (41)...(41)
;   OTHER INFORMATION: Xaa is Phe, Tyr or Asp
;   NAME/KEY: VARIANT
```

```
;   LOCATION: (42)...(42)
;   OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
;   NAME/KEY: VARIANT
;   LOCATION: (43)...(43)
;   OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
;   NAME/KEY: VARIANT
;   LOCATION: (44)...(44)
;   OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
;   NAME/KEY: VARIANT
;   LOCATION: (45)...(45)
;   OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
;   NAME/KEY: VARIANT
;   LOCATION: (46)...(46)
;   OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala or Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (48)...(48)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr, Trp
;   NAME/KEY: VARIANT
;   LOCATION: (49)...(49)
;   OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro, Ser, Tyr
;   NAME/KEY: VARIANT
;   LOCATION: (50)...(50)
;   OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or Arg
US-09-523-487-5

  Query Match             100.0%;  Score 26;  DB 3;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 13;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db          1 CXXXXXXXXC 10


RESULT 40
US-09-388-183-3
; Sequence 3, Application US/09388183
; Patent No. 6380354
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN6
;  FILE REFERENCE: 98-40
;  CURRENT APPLICATION NUMBER: US/09/388,183
;  CURRENT FILING DATE: 1999-09-01
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 51
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Kunitz motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(2)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
;   OTHER INFORMATION: Pro or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (3)...(3)
;   OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
;   OTHER INFORMATION: Pro
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
;   OTHER INFORMATION: Tyr or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(5)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
;   OTHER INFORMATION: Ser, Thr or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (6)...(6)
;   OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
;   OTHER INFORMATION: or Met
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (7)...(7)
;   OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
;   OTHER INFORMATION: Met, Phe or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa is Gly or Glu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (9)...(9)
;   OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
;   OTHER INFORMATION: Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (11)...(11)
;   OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
;   OTHER INFORMATION: Pro, Trp or Val
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
;   OTHER INFORMATION: or Ser
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(13)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(14)
;   OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp o
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (15)...(15)
;   OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp o
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (16)...(16)
;   OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (17)...(17)
;   OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (18)...(18)
;   OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(19)
;   OTHER INFORMATION: Xaa is Tyr or Phe
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (20)...(20)
;   OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (21)...(21)
;   OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (22)...(22)
;   OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (23)...(23)
;   OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
;   FEATURE:
```

; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp, Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)
; OTHER INFORMATION: Xaa is Phe or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (30)...(30)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (31)...(31)
; OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is Ser, Gly or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (33)...(33)
; OTHER INFORMATION: Xaa is Gly or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (36)...(36)
; OTHER INFORMATION: Xaa is Gly, Lys or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa is Asn, Lys or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (38)...(38)
; OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp, Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (39)...(39)
; OTHER INFORMATION: Xaa is Asn or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (40)...(40)
; OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is Phe, Tyr or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (42)...(42)
; OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (43)...(43)
; OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (44)...(44)
; OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (45)...(45)
; OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (46)...(46)
; OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (48)...(48)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (49)...(49)

Query Match 100.0%; Score 26; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 41
US-09-740-510-5
; Sequence 5, Application US/09740510
; Patent No. 6544760
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
; FILE REFERENCE: 99-103
; CURRENT APPLICATION NUMBER: US/09/740,510
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: motif.
; NAME/KEY: VARIANT
; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa is any amino acid.
US-09-740-510-5

Query Match 100.0%; Score 26; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
||||||||||
Db 1 CXXXXXXXXC 10

RESULT 42
US-08-525-864A-8
; Sequence 8, Application US/08525864A
; Patent No. 5912326
; GENERAL INFORMATION:
; APPLICANT: Chang, Han
; TITLE OF INVENTION: Cerebellum-derived Growth Factors, and Uses
; TITLE OF INVENTION: Related thereto
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

```
;       COUNTRY:  USA
;       ZIP:  02109
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  AscII (text)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/525,864A
;       FILING DATE:  8-SEP-1995
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Kara, Catherine J.
;       REGISTRATION NUMBER:  41,106
;       REFERENCE/DOCKET NUMBER:  HUI-017
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617)227-7400
;       TELEFAX:  (617)742-4214
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  57 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     FRAGMENT TYPE:  internal
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  2-5
;       OTHER INFORMATION:  /note= "Xaa is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  6, 7, 8, 9, 10, 11, 12, 13, 14, 15
;       OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  17-19
;       OTHER INFORMATION:  /note= "Xaa is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  20, 21, 22, 23, 24
;       OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  26-29
;       OTHER INFORMATION:  /note= "Xaa is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  30, 31, 32, 33, 34, 35, 36, 37, 38,39
;       OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  41
;       OTHER INFORMATION:  /note= "Xaa is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  43-50
;       OTHER INFORMATION:  /note= "Xaa is any amino acid"
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  51, 52, 53, 54, 55, 56
;       OTHER INFORMATION:  /note= "Xaa, if present, is any amino acid"
US-08-525-864A-8

  Query Match             100.0%;  Score 26;  DB 2;  Length 57;
  Best Local Similarity   100.0%;  Pred. No. 14;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         16 CXXXXXXXXC 25


RESULT 43
```

```
US-08-667-025-1
; Sequence 1, Application US/08667025
; Patent No. 5919667
;  GENERAL INFORMATION:
;    APPLICANT:  Gage, Frederick H.
;    APPLICANT:  Suhr, Steven T.
;    TITLE OF INVENTION:  MODULAR ASSEMBLY RETROVIRAL
;    TITLE OF INVENTION:  VECTORS AND
;    TITLE OF INVENTION:  USES THEREOF
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gray Cary Ware & Freidenrich
;      STREET:  4365 Executive Drive, Suite 1600
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121-2189
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/667,025
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ramos, Robert T.
;      REGISTRATION NUMBER:  37,915
;      REFERENCE/DOCKET NUMBER:  P41 90249
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-677-1400
;      TELEFAX:  619-677-1477
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  internal
US-08-667-025-1

  Query Match             100.0%;  Score 26;  DB 2;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 44
US-08-475-174-1
; Sequence 1, Application US/08475174
; Patent No. 5932622
;  GENERAL INFORMATION:
;    APPLICANT:  Evans, Ronald M.
;    APPLICANT:  Mangelsdorf, David J.
;    APPLICANT:  Heyman, Richard A.
;    APPLICANT:  Boehm, Marcus F.
;    APPLICANT:  Eichele, Gregor
;    APPLICANT:  Thalor, Christina
;    TITLE OF INVENTION:  MEANS FOR THE MODULATION OF PROCESSES
;    TITLE OF INVENTION:  MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
;    TITLE OF INVENTION:  THEREFOR
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pretty, Schroeder, Brueggemann & Clark
;      STREET:  444 South Flower Street, Suite 2000
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
```

```
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/475,174
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/809,980
;      FILING DATE:  1991-12-18
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter, Stephen E.
;      REGISTRATION NUMBER:  31,192
;      REFERENCE/DOCKET NUMBER:  P31 9116
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 546-4737
;      TELEFAX:  (619) 546-9392
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-475-174-1

  Query Match             100.0%;  Score 26;  DB 2;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 45
US-08-472-817-1
; Sequence 1, Application US/08472817
; Patent No. 5968989
;  GENERAL INFORMATION:
;    APPLICANT:  Evans, Ronald M.
;    APPLICANT:  Mangelsdorf, David J.
;    APPLICANT:  Heyman, Richard A.
;    APPLICANT:  Boehm, Marcus F.
;    APPLICANT:  Eichele, Gregor
;    APPLICANT:  Thaller, Christina
;    TITLE OF INVENTION:  MEANS FOR THE MODULATION OF PROCESSES
;    TITLE OF INVENTION:  MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
;    TITLE OF INVENTION:  THEREFOR
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pretty, Schroeder, Brueggemann & Clark
;      STREET:  444 South Flower Street, Suite 2000
;      CITY:  Los Angeles
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,817
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/244,857
;      FILING DATE:  14-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO 93/11755
;      FILING DATE:  18-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/809,980
;      FILING DATE:  18-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter, Stephen E.
;      REGISTRATION NUMBER:  31,192
;      REFERENCE/DOCKET NUMBER:  P41 9979
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-546-1995
;      TELEFAX:  619-546-9392
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  internal
US-08-472-817-1

  Query Match             100.0%;  Score 26;  DB 2;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 46
US-08-372-218-1
; Sequence 1, Application US/08372218
; Patent No. 5990163
; GENERAL INFORMATION:
;  APPLICANT: Evans, Ronald M.
;  APPLICANT: Mangelsdorf, David J.
;  APPLICANT: Heyman, Richard A.
;  APPLICANT: Boehm, Marcus F.
;  APPLICANT: Harmon, Margaret A.
;  TITLE OF INVENTION: SELECTIVE MODULATION OF PROCESSES
;  TITLE OF INVENTION: MEDIATED BY RETINOID X RECEPTORS, AND COMPOUNDS USEFUL
;  TITLE OF INVENTION: THEREFOR
;  FILE REFERENCE: P41 9843
;  CURRENT APPLICATION NUMBER: US/08/372,218
;  CURRENT FILING DATE: 1995-01-13
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Nuclear/intracellular receptors
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: 7,9,11,13,22,27,62,65, 70
;   OTHER INFORMATION: Residues that are almost universally conserved,
;   OTHER INFORMATION: but for which variations have been found in some
;   OTHER INFORMATION: identified hormone receptors
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)...(71)
;   OTHER INFORMATION: Xaa = No. 5990163-conserved Amino Acids within the
;   OTHER INFORMATION: DNA-binding domain
US-08-372-218-1

  Query Match             100.0%;  Score 26;  DB 2;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
```

```
Db         39 CXXXXXXXXC 48


RESULT 47
US-08-464-514-3
; Sequence 3, Application US/08464514
; Patent No. 6265173
;  GENERAL INFORMATION:
;    APPLICANT:  EVANS, RONALD M.
;    APPLICANT:  MCKEOWN, MICHAEL B.
;    APPLICANT:  ORO, ANTHONY E.
;    APPLICANT:  SEGRAVES, WILLIAM A.
;    APPLICANT:  YAO, TSO-PANG
;    TITLE OF INVENTION:  MULTIMERIC FORMS OF MEMBERS OF THE
;    TITLE OF INVENTION:  STEROID/THYROID SUPERFAMILY OF RECEPTORS WITH THE
;    TITLE OF INVENTION:  ULTRASPIRACLE RECEPTOR
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
;      STREET:  444 South Flower Street, Suite 2000
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/464,514
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/907,908
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter,, Stephen E.
;      REGISTRATION NUMBER:  31192
;      REFERENCE/DOCKET NUMBER:  P41 9321
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 546-4737
;      TELEFAX:  (619) 546-9392
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-464-514-3

  Query Match             100.0%;  Score 26;  DB 3;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 48
US-08-802-468-1
; Sequence 1, Application US/08802468
; Patent No. 6278040
;   GENERAL INFORMATION:
;        APPLICANT: Sucov, Henry M.
;                   Evans, Ronald M.
;                   Chien, Kenneth R.
;        TITLE OF INVENTION: RECEPTOR-DEFICIENT ANIMALS AND CELL
;                            LINES DERIVED THEREFROM, AND USES THEREOF
;        NUMBER OF SEQUENCES: 10
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
;             STREET: 444 South Flower Street, Suite 2000
;             CITY: Los Angeles
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/08/802,468
;             FILING DATE: 19-Feb-1997
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/241,044
;             FILING DATE: 10-MAY-1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Reiter, Stephen E.
;             REGISTRATION NUMBER: 31,192
;             REFERENCE/DOCKET NUMBER: P41 9749
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 619-546-4737
;             TELEFAX: 619-546-9392
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 71 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-802-468-1

  Query Match             100.0%;  Score 26;  DB 3;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 49
US-08-486-403-3
; Sequence 3, Application US/08486403
; Patent No. 6281330
;  GENERAL INFORMATION:
;    APPLICANT:  EVANS, RONALD M.
;    APPLICANT:  MCKEOWN, MICHAEL B.
;    APPLICANT:  ORO, ANTHONY E.
;    APPLICANT:  SEGRAVES, WILLIAM A.
;    APPLICANT:  YAO, TSO-PANG
;    TITLE OF INVENTION:  MULTIMERIC FORMS OF MEMBERS OF THE
;    TITLE OF INVENTION:  STEROID/THYROID SUPERFAMILY OF RECEPTORS WITH THE
;    TITLE OF INVENTION:  ULTRASPIRACLE RECEPTOR
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
;      STREET:  444 South Flower Street, Suite 2000
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,403
;      FILING DATE:
;      CLASSIFICATION:  435
```

```
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/907,908
;      FILING DATE:  02-JUL-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter,, Stephen E.
;      REGISTRATION NUMBER:  31192
;      REFERENCE/DOCKET NUMBER:  P41 9321
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 546-4737
;      TELEFAX:  (619) 546-9392
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-486-403-3

  Query Match             100.0%;  Score 26;  DB 3;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 50
US-08-891-298-1
; Sequence 1, Application US/08891298
; Patent No. 6300488
;  GENERAL INFORMATION:
;    APPLICANT:  Gage, Frederick H.
;    APPLICANT:  Suhr, Steven T.
;    TITLE OF INVENTION:  Modified Lepidopteran Receptors
;    TITLE OF INVENTION:  and Hybrid Multi-Functional Proteins for Use in Transcription
;    TITLE OF INVENTION:  and Transgene Expression Regulation
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gray Cary Ware & Freidenrich
;      STREET:  4365 Executive Drive, Suite 1600
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows DEMONSTRATION Version 2.0D
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/891,298
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter, Stephen E
;      REGISTRATION NUMBER:  31,192
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-677-1409
;      TELEFAX:  619-677-1465
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  71 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-891-298-1

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 51
US-09-079-570B-1
; Sequence 1, Application US/09079570B
; Patent No. 6333318
; GENERAL INFORMATION:
;  APPLICANT: EVANS, Ronald
;  APPLICANT:  SAEZ, Enrique
;  TITLE OF INVENTION: FORMULATIONS USEFUL FOR MODULATING EXPRESSION OF EXOGENOUS
;  TITLE OF INVENTION:  GENES IN MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
;  FILE REFERENCE: SALK2310
;  CURRENT APPLICATION NUMBER: US/09/079,570B
;  CURRENT FILING DATE:  1998-05-14
;  PRIOR APPLICATION NUMBER: PCT/US 99/08381
;  PRIOR FILING DATE: 1999-04-16
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Binding domain of the steroid/thyroid hormone superfamily of
;   OTHER INFORMATION: receptor
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(71)
;   OTHER INFORMATION: Xaa is any amino acid
US-09-079-570B-1

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 52
US-08-846-881A-1
; Sequence 1, Application US/08846881A
; Patent No. 6387673
; GENERAL INFORMATION:
;  APPLICANT: EVANS, Ronald M
;  APPLICANT:  NAGY, Laszlo
;  TITLE OF INVENTION: COMPOUNDS USEFUL FOR THE MODULATION OF PROCESSES
;  TITLE OF INVENTION:  MEDIATED BY NUCLEAR HORMONE RECEPTORS, METHODS FOR THE
;  TITLE OF INVENTION:  IDENTIFICATION AND USE OF SUCH COMPOUNDS
;  FILE REFERENCE: Salk2110/08/846,881
;  CURRENT APPLICATION NUMBER: US/08/846,881A
;  CURRENT FILING DATE:  1997-05-01
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Highly
;   OTHER INFORMATION: Conserved Amino Acids of the DNA Binding Domains
;   OTHER INFORMATION: of the steroid/thyroid superfamily of receptors.
;   NAME/KEY: VARIANT
;   LOCATION: (1)..(71)
```

```
;   OTHER INFORMATION: Xaa is any amino acid
US-08-846-881A-1

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 53
US-09-352-816-1
; Sequence 1, Application US/09352816
; Patent No. 6436993
; GENERAL INFORMATION:
;  APPLICANT: Evans, Ronald M.
;  APPLICANT:  Tontonoz, Peter
;  APPLICANT:  Nagy, Laszlo
;  TITLE OF INVENTION: USE OF RAR ANTAGONISTS AS MODULATORS OF
;  TITLE OF INVENTION:  HORMONE MEDIATED PROCESSES
;  FILE REFERENCE: Salk2060
;  CURRENT APPLICATION NUMBER: US/09/352,816
;  CURRENT FILING DATE:  1999-07-13
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: general sequence for DNA binding domain for
;   OTHER INFORMATION: members of the steroid/thyroid hormone receptor
;   OTHER INFORMATION: superfamily
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(3)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (5)...(6)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(10)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (12)...(12)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (14)...(17)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (19)...(20)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (23)...(23)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (26)...(26)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (28)...(38)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids;
;   OTHER INFORMATION: 37-38 are optional residues
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (40)...(47)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids;
;   OTHER INFORMATION: 45-47 are optional residues
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (49)...(51)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (53)...(54)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (56)...(57)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (59)...(60)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (63)...(64)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (67)...(69)
;   OTHER INFORMATION: each Xaa designates non-conserved amino acids
US-09-352-816-1

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 54
US-08-877-966B-1
; Sequence 1, Application US/08877966B
; Patent No. 6458926
;  GENERAL INFORMATION:
;    APPLICANT:  Evans, Ronald M.
;    APPLICANT:  Forman, Barry M.
;    APPLICANT:  Umesono, Kazuhiko
;    TITLE OF INVENTION:  ALLOSTERIC CONTROL OF NUCLEAR HORMONE RECEPTORS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gray Cary Ware & Freidenrich
;      STREET:  4365 Executive Drive, Suite 1600
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows DEMONSTRATION Version 2.0D
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/877,966B
;      FILING DATE:  17-JUN-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/372,217
;      FILING DATE:  13-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  Reiter, Stephen E
;       REGISTRATION NUMBER:  31,192
;       REFERENCE/DOCKET NUMBER:  SALK 1450-1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619-677-1409
;       TELEFAX:  619-677-1465
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  71 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-877-966B-1

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 55
US-07-672-530C-33
; Sequence 33, Application US/07672530C
; Patent No. 6492137
; GENERAL INFORMATION:
;  APPLICANT: SUCOV, HENRY M
;  APPLICANT:  EVANS, RONALD M
;  APPLICANT:  UMESONO, KAZUHIKO
;  TITLE OF INVENTION: RESPONSE ELEMENT COMPOSITIONS AND ASSAYS EMPLOYING SAME
;  FILE REFERENCE: 088802/1552
;  CURRENT APPLICATION NUMBER: US/07/672,530C
;  CURRENT FILING DATE:  1991-03-19
;  PRIOR APPLICATION NUMBER: 07/438,757
;  PRIOR FILING DATE: 1989-11-16
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 71
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Highly
;   OTHER INFORMATION: Conserved Amino Acids of the DNA-Binding Domain of
;   OTHER INFORMATION: Members of the Superfamily
;   NAME/KEY: MOD_RES
;   LOCATION: (2)..(3)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (8)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (10)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (12)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (14)..(17)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (19)..(20)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (23)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (26)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (28)..(38)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (40)..(47)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (49)..(51)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (53)..(54)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (56)..(57)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (59)..(60)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (63)..(64)
;   OTHER INFORMATION: any amino acid
;   NAME/KEY: MOD_RES
;   LOCATION: (67)..(69)
;   OTHER INFORMATION: any amino acid
US-07-672-530C-33

  Query Match             100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 56
US-08-480-967-1
; Sequence 1, Application US/08480967
; Patent No. 6506917
;   GENERAL INFORMATION:
;       APPLICANT: Evans, Ronald M.
;                  Mangelsdorf, David J.
;                  Heyman, Richard A.
;                  Boehm, Marcus F.
;                  Eichele, Gregor
;                  Thaller, Christina
;       TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
;                           MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
;                           THEREFOR
;       NUMBER OF SEQUENCES: 2
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
;            STREET: 444 South Flower Street, Suite 2000
;            CITY: Los Angeles
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 90071
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/480,967
;            FILING DATE: 19-Sep-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/472,817
;            FILING DATE: 07-JUN-1995
;            APPLICATION NUMBER: US 08/244,857
;            FILING DATE: 14-JUN-1994
```

```
;             APPLICATION NUMBER: WO 93/11755
;             FILING DATE: 18-DEC-1992
;             APPLICATION NUMBER: US 07/809,980
;             FILING DATE: 18-DEC-1991
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Reiter, Stephen E.
;             REGISTRATION NUMBER: 31,192
;             REFERENCE/DOCKET NUMBER: P41 9979
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 619-546-1995
;             TELEFAX: 619-546-9392
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 71 amino acids
;             TYPE: amino acid
;             TOPOLOGY: unknown
;        MOLECULE TYPE: protein
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-480-967-1

  Query Match            100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity  100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 57
US-09-350-648-1
; Sequence 1, Application US/09350648
; Patent No. 6576676
;   GENERAL INFORMATION:
;        APPLICANT: Evans, Ronald M.
;                   Mangelsdorf, David J.
;                   Heyman, Richard A.
;                   Boehm, Marcus F.
;                   Eichele, Gregor
;                   Thaller, Christina
;        TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
;                            MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
;                            THEREFOR
;        NUMBER OF SEQUENCES: 2
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
;             STREET: 444 South Flower Street, Suite 2000
;             CITY: Los Angeles
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/350,648
;             FILING DATE: 09-Jul-1999
;             CLASSIFICATION: 424
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/472,817
;             FILING DATE: 07-JUN-1995
;             APPLICATION NUMBER: US 08/244,857
;             FILING DATE: 14-JUN-1994
;             APPLICATION NUMBER: WO 93/11755
;             FILING DATE: 18-DEC-1992
;             APPLICATION NUMBER: US 07/809,980
;             FILING DATE: 18-DEC-1991
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Reiter, Stephen E.
;             REGISTRATION NUMBER: 31,192
;             REFERENCE/DOCKET NUMBER: P41 9979
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 619-546-1995
;             TELEFAX: 619-546-9392
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 71 amino acids
;             TYPE: amino acid
;             TOPOLOGY: unknown
;        MOLECULE TYPE: protein
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-350-648-1

  Query Match            100.0%;  Score 26;  DB 4;  Length 71;
  Best Local Similarity  100.0%;  Pred. No. 15;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         39 CXXXXXXXXC 48


RESULT 58
US-08-291-060B-3
; Sequence 3, Application US/08291060B
; Patent No. 5728543
;  GENERAL INFORMATION:
;    APPLICANT:  Dorschug, Michael
;    APPLICANT:  Koller, Klaus-Peter
;    APPLICANT:  Marquardt, Rudiger
;    APPLICANT:  Meiwes, Johannes
;    TITLE OF INVENTION:  An Enzymatic Process for the
;    TITLE OF INVENTION:  Conversion of Preproinsulins Into Insulins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner, L.L.P.
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,060B
;      FILING DATE:  08-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481.1105-02000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 408-4366
;      TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  122 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..30
;      OTHER INFORMATION:  /note= "May be cleaved off, or if
;      OTHER INFORMATION:  present, C-terminal must be Arg preceded by 1-29 Xaa's."
;    FEATURE:
;      NAME/KEY:  Peptide
```

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;      LOCATION:  61..91
;      OTHER INFORMATION:  /note= "If Xaa at position 61 is
;      OTHER INFORMATION:  L-arginine, then 62-91 are missing.  If not, then 61-91 are t
;      OTHER INFORMATION:  C-chain of human or animal proinsulin."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  112
;      OTHER INFORMATION:  /note= "Xaa is an amino acid from
;      OTHER INFORMATION:  the group comprising Asn, Gln, Asp, Glu, Gly, Ser, Thr, Ala c
;      OTHER INFORMATION:  Met, and if hydroxy substituted, then peptide terminates at t
;      OTHER INFORMATION:  position."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  113..122
;      OTHER INFORMATION:  /note= "If present, up to 8 amino
;      OTHER INFORMATION:  acids may be missing."
US-08-291-060B-3

  Query Match             100.0%;  Score 26;  DB 1;  Length 122;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        102 CXXXXXXXXC 111


RESULT 59
US-08-291-060B-4
; Sequence 4, Application US/08291060B
; Patent No. 5728543
;  GENERAL INFORMATION:
;    APPLICANT:  Dorschug, Michael
;    APPLICANT:  Koller, Klaus-Peter
;    APPLICANT:  Marquardt, Rudiger
;    APPLICANT:  Meiwes, Johannes
;    TITLE OF INVENTION:  An Enzymatic Process for the
;    TITLE OF INVENTION:  Conversion of Preproinsulins Into Insulins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner, L.L.P.
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,060B
;      FILING DATE:  08-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481.1105-02000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 408-4366
;      TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  122 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..30
;      OTHER INFORMATION:  /note= "May be cleaved off, or if
;      OTHER INFORMATION:  present, C-terminal must be Arg preceded by 1-29 Xaa's."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  61..91
;      OTHER INFORMATION:  /note= "If Xaa at position 61 is
;      OTHER INFORMATION:  L-arginine, then 62-91 are missing.  If not, then 61-91 a
;      OTHER INFORMATION:  C-chain of human or animal proinsulin."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  112
;      OTHER INFORMATION:  /note= "If hydroxy substituted, then
;      OTHER INFORMATION:  peptide terminates at this position."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  113..122
;      OTHER INFORMATION:  /note= "If present, up to 8 amino acids
;      OTHER INFORMATION:  may be missing."
US-08-291-060B-4

  Query Match             100.0%;  Score 26;  DB 1;  Length 122;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        102 CXXXXXXXXC 111


RESULT 60
US-09-253-316-23
; Sequence 23, Application US/09253316
; Patent No. 6395890
; GENERAL INFORMATION:
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Jaspers, Stephen R.
;  TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS
;  FILE REFERENCE: 97-75
;  CURRENT APPLICATION NUMBER: US/09/253,316
;  CURRENT FILING DATE: 1999-02-19
;  EARLIER APPLICATION NUMBER: US 60/075,300
;  EARLIER FILING DATE: 1998-02-20
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
;   LENGTH: 127
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: connective tissue growth factor family motif
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (2)...(9)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (10)...(11)
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (13)...(31)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (32)...(32)
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (34)...(38)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (39)...(40)
```

```
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (42)...(53)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (54)...(54)
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (56)...(62)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (63)...(63)
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (65)...(106)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (107)...(108)
;   OTHER INFORMATION: Xaa is any amino acid or not present
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (110)...(122)
;   OTHER INFORMATION: Xaa is any amino acid
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (123)...(126)
;   OTHER INFORMATION: Xaa is any amino acid or not present
US-09-253-316-23

  Query Match             100.0%;  Score 26;  DB 4;  Length 127;
  Best Local Similarity   100.0%;  Pred. No. 19;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db         55 CXXXXXXXXC 64


RESULT 61
US-08-291-060B-2
; Sequence 2, Application US/08291060B
; Patent No. 5728543
;  GENERAL INFORMATION:
;    APPLICANT:  Dorschug, Michael
;    APPLICANT:  Koller, Klaus-Peter
;    APPLICANT:  Marquardt, Rudiger
;    APPLICANT:  Meiwes, Johannes
;    TITLE OF INVENTION:  An Enzymatic Process for the
;    TITLE OF INVENTION:  Conversion of Preproinsulins Into Insulins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner, L.L.P.
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,060B
;      FILING DATE:  08-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481.1105-02000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 408-4366
;      TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  137 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..31
;      OTHER INFORMATION:  /note= "All or some of residues may
;      OTHER INFORMATION:  be missing."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  127
;      OTHER INFORMATION:  /note= "If hydroxy substituted,
;      OTHER INFORMATION:  peptide terminates with this residue."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  128..137
;      OTHER INFORMATION:  /note= "If present, may be missing
;      OTHER INFORMATION:  nine amino acids."
US-08-291-060B-2

  Query Match             100.0%;  Score 26;  DB 1;  Length 137;
  Best Local Similarity   100.0%;  Pred. No. 19;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        117 CXXXXXXXXC 126


RESULT 62
US-08-568-459A-14
; Sequence 14, Application US/08568459A
; Patent No. 5849306
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/568,459A
;      FILING DATE:  07-DEC-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
```

```
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  271 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-568-459A-14

  Query Match             100.0%;  Score 26;  DB 2;  Length 271;
  Best Local Similarity   100.0%;  Pred. No. 25;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        189 CXXXXXXXXC 198


RESULT 63
US-08-487-826B-26
; Sequence 26, Application US/08487826B
; Patent No. 5993827
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,826B
;      FILING DATE:  10-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  271 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-487-826B-26

  Query Match             100.0%;  Score 26;  DB 2;  Length 271;
  Best Local Similarity   100.0%;  Pred. No. 25;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        189 CXXXXXXXXC 198


RESULT 64
US-09-210-288-14
; Sequence 14, Application US/09210288
; Patent No. 6392026
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/210,288
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fuller, Michael
;      REGISTRATION NUMBER:  36,516
;      REFERENCE/DOCKET NUMBER:  NIH121.1FWDV1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  271 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-09-210-288-14

  Query Match             100.0%;  Score 26;  DB 4;  Length 271;
  Best Local Similarity   100.0%;  Pred. No. 25;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        189 CXXXXXXXXC 198


RESULT 65
US-08-568-459A-21
```

```
; Sequence 21, Application US/08568459A
; Patent No. 5849306
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/568,459A
;      FILING DATE:  07-DEC-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  311 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-568-459A-21

  Query Match             100.0%;  Score 26;  DB 2;  Length 311;
  Best Local Similarity   100.0%;  Pred. No. 26;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        228 CXXXXXXXXC 237


RESULT 66
US-08-487-826B-33
; Sequence 33, Application US/08487826B
; Patent No. 5993827
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,826B
;      FILING DATE:  10-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  311 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-487-826B-33

  Query Match             100.0%;  Score 26;  DB 2;  Length 311;
  Best Local Similarity   100.0%;  Pred. No. 26;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        228 CXXXXXXXXC 237


RESULT 67
US-09-210-288-21
; Sequence 21, Application US/09210288
; Patent No. 6392026
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/210,288
;      FILING DATE:
;      CLASSIFICATION:
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fuller, Michael
;      REGISTRATION NUMBER:  36,516
;      REFERENCE/DOCKET NUMBER:  NIH121.1FWDV1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  311 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-09-210-288-21

  Query Match           100.0%;  Score 26;  DB 4;  Length 311;
  Best Local Similarity  100.0%;  Pred. No. 26;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        228 CXXXXXXXXC 237


RESULT 68
US-08-568-459A-17
; Sequence 17, Application US/08568459A
; Patent No. 5849306
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/568,459A
;      FILING DATE:  07-DEC-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  324 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-568-459A-17

  Query Match           100.0%;  Score 26;  DB 2;  Length 324;
  Best Local Similarity  100.0%;  Pred. No. 27;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        311 CXXXXXXXXC 320


RESULT 69
US-08-487-826B-29
; Sequence 29, Application US/08487826B
; Patent No. 5993827
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,826B
;      FILING DATE:  10-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  324 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-08-487-826B-29

  Query Match           100.0%;  Score 26;  DB 2;  Length 324;
  Best Local Similarity  100.0%;  Pred. No. 27;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
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Db        311 CXXXXXXXXC 320
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RESULT 70
US-09-210-288-17
; Sequence 17, Application US/09210288
; Patent No. 6392026
;  GENERAL INFORMATION:
;    APPLICANT:  Sim, Kim L.
;    APPLICANT:  Chitnis, Chetan
;    APPLICANT:  Miller, Louis H.
;    APPLICANT:  Peterson, David S.
;    APPLICANT:  Su, Xin-zhaun
;    APPLICANT:  Wellems, Thomas E.
;    TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;    TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe Martens Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/210,288
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fuller, Michael
;      REGISTRATION NUMBER:  36,516
;      REFERENCE/DOCKET NUMBER:  NIH121.1FWDV1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  324 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US-09-210-288-17

  Query Match           100.0%;  Score 26;  DB 4;  Length 324;
  Best Local Similarity  100.0%;  Pred. No. 27;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CXXXXXXXXC 10
              ||||||||||
Db        311 CXXXXXXXXC 320


Search completed: May  4, 2004, 07:13:57
Job time : 24 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 13.44 Seconds
(without alignments)
30.730 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYWXXXWX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
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5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	66.7	8	4	US-09-350-641C-1668	Sequence 1668, Ap
2	25	64.1	16	4	US-08-990-888-4	Sequence 4, Appli
3	25	64.1	90	4	US-08-936-165A-262	Sequence 262, App
4	25	64.1	887	3	US-08-472-240A-2	Sequence 2, Appli
5	25	64.1	906	3	US-08-472-240A-3	Sequence 3, Appli
6	24	61.5	5	1	US-08-353-400-27	Sequence 27, Appl
7	24	61.5	5	4	US-08-753-750B-38	Sequence 38, Appl
8	24	61.5	5	6	5185431-15	Patent No. 5185431
9	24	61.5	6	1	US-07-718-577-6	Sequence 6, Appli
10	24	61.5	7	4	US-09-388-788-2	Sequence 2, Appli
11	24	61.5	8	3	US-08-586-670A-17	Sequence 17, Appl
12	24	61.5	8	4	US-09-125-641-1	Sequence 1, Appli
13	24	61.5	8	4	US-09-125-641-2	Sequence 2, Appli
14	24	61.5	9	3	US-08-433-522A-13	Sequence 13, Appl
15	24	61.5	9	3	US-09-135-166-13	Sequence 13, Appl
16	24	61.5	9	3	US-08-942-046-13	Sequence 13, Appl
17	24	61.5	9	4	US-09-125-641-29	Sequence 29, Appl
18	24	61.5	10	1	US-08-604-913B-2	Sequence 2, Appli
19	24	61.5	10	1	US-08-465-391A-336	Sequence 336, App
20	24	61.5	10	2	US-08-464-538B-334	Sequence 334, App
21	24	61.5	10	2	US-08-463-076E-339	Sequence 339, App
22	24	61.5	10	4	US-09-125-641-3	Sequence 3, Appli
23	24	61.5	10	4	US-09-125-641-19	Sequence 19, Appl
24	24	61.5	10	4	US-09-428-082B-927	Sequence 927, App
25	24	61.5	11	1	US-08-190-788A-116	Sequence 116, App
26	24	61.5	11	1	US-08-383-474B-121	Sequence 121, App
27	24	61.5	11	1	US-08-465-391A-116	Sequence 116, App
28	24	61.5	11	1	US-08-465-391A-315	Sequence 315, App
29	24	61.5	11	1	US-08-465-391A-316	Sequence 316, App
30	24	61.5	11	1	US-08-465-391A-320	Sequence 320, App
31	24	61.5	11	1	US-08-465-391A-321	Sequence 321, App
32	24	61.5	11	1	US-08-465-391A-322	Sequence 322, App
33	24	61.5	11	1	US-08-465-391A-323	Sequence 323, App
34	24	61.5	11	1	US-08-465-391A-324	Sequence 324, App
35	24	61.5	11	1	US-08-465-391A-337	Sequence 337, App
36	24	61.5	11	1	US-08-465-391A-338	Sequence 338, App
37	24	61.5	11	1	US-08-465-391A-339	Sequence 339, App
38	24	61.5	11	1	US-08-465-391A-343	Sequence 343, App
39	24	61.5	11	1	US-08-465-391A-344	Sequence 344, App
40	24	61.5	11	1	US-08-465-391A-345	Sequence 345, App
41	24	61.5	11	1	US-08-465-391A-346	Sequence 346, App
42	24	61.5	11	1	US-08-465-391A-347	Sequence 347, App
43	24	61.5	11	1	US-08-465-391A-349	Sequence 349, App
44	24	61.5	11	2	US-08-464-538B-116	Sequence 116, App
45	24	61.5	11	2	US-08-464-538B-313	Sequence 313, App

ALIGNMENTS

RESULT 1
US-09-350-641C-1668
; Sequence 1668, Application US/09350641C
; Patent No. 6656906
; GENERAL INFORMATION:
; APPLICANT: Barney, B.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; TITLE OF INVENTION: PROPERTIES
; FILE REFERENCE: 7872-067
; CURRENT APPLICATION NUMBER: US/09/350,641C
; CURRENT FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1668
; LENGTH: 8
; TYPE: PRT
; ORGANISM: HIV-1
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)...(8)
; OTHER INFORMATION: Xaa=unknown amino acid
US-09-350-641C-1668

Query Match 66.7%; Score 26; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXWX 8
||||||
Db 1 WXXXWX 6

RESULT 2
US-08-990-888-4
; Sequence 4, Application US/08990888B
; Patent No. 6387879
; GENERAL INFORMATION:
; APPLICANT: Blume, Arthur J.
; APPLICANT: Brissette, Renee
; APPLICANT: Carcamo, Juan
; APPLICANT: Mandecki, Wlodeck S.
; APPLICANT: Tang, Pauline M.

```
;  TITLE OF INVENTION: Assays For Compounds Which Bind Growth Hormone Receptor
;  FILE REFERENCE: 2598-4002
;  CURRENT APPLICATION NUMBER: US/08/990,888B
;  CURRENT FILING DATE: 1997-12-15
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;    LENGTH: 16
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: consensus sequence, wherein X1 is S, R, T, N, H,
;    OTHER INFORMATION: or A; X2 is L, W, or F; X3 is G, A, V, P, Q, E, or
;    OTHER INFORMATION: R; X4 is V, I, A, L, D, E, P, or F; X5 is T, G, S,
;    OTHER INFORMATION: R, K, N, A, L, or W; X6 is Y, W, F, or Q;
;    FEATURE:
;    OTHER INFORMATION: X7 is L, V, or I;  X8 is A, T, S, V, W, or D; X9
;    OTHER INFORMATION: is G,  A, S, or R
US-08-990-888-4

  Query Match             64.1%;  Score 25;  DB 4;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         11 WXXXW 15


RESULT 3
US-08-936-165A-262
; Sequence 262, Application US/08936165A
; Patent No. 6348582
;  GENERAL INFORMATION:
;    APPLICANT:  Black, Michael
;    APPLICANT:  Burnham, Martin
;    APPLICANT:  Hodgson, John
;    APPLICANT:  Knowles, David
;    APPLICANT:  Lonetto, Michael
;    APPLICANT:  Nicholas, Richard
;    APPLICANT:  Pratt, Julie
;    APPLICANT:  Reichard, Richard
;    APPLICANT:  Rosenberg, Martin
;    APPLICANT:  Ward, Judith
;    TITLE OF INVENTION:  No. 6348582el Prokaryotic Polynucleotides,
;    TITLE OF INVENTION:  Polypeptides and Their Uses
;    NUMBER OF SEQUENCES:  534
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SmithKline Beecham Corporation
;      STREET:  709 Swedeland Road
;      CITY:  King of Prussia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19406-0939
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/936,165A
;      FILING DATE:  24-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/027,032
;      FILING DATE:  24-SEP-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gimmi, Edward R
;      REGISTRATION NUMBER:  38,891
;      REFERENCE/DOCKET NUMBER:  P50549
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-270-4478
;      TELEFAX:  610-270-5090
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  262:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Protein
US-08-936-165A-262

  Query Match             64.1%;  Score 25;  DB 4;  Length 90;
  Best Local Similarity   100.0%;  Pred. No. 4.9e+02;
  Matches    4;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWX 4
              ||||
Db         76 GYWX 79


RESULT 4
US-08-472-240A-2
; Sequence 2, Application US/08472240A
; Patent No. 6284248
;  GENERAL INFORMATION:
;    APPLICANT:  KIENY, Marie-Paule
;    TITLE OF INVENTION:  NOVEL HYBRID, SOLUBLE AND UNCLEAVED
;    TITLE OF INVENTION:  gp160 VARIANT
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BURNS, DOANE, SWECKER & MATHIS
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,240A
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/956,483
;      FILING DATE:  31-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Teskin, Robin L.
;      REGISTRATION NUMBER:  35,030
;      REFERENCE/DOCKET NUMBER:  017753-055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  887 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..854
US-08-472-240A-2

  Query Match             64.1%;  Score 25;  DB 3;  Length 887;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         14 WXXXW 18
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RESULT 5
US-08-472-240A-3
; Sequence 3, Application US/08472240A
; Patent No. 6284248
;  GENERAL INFORMATION:
;    APPLICANT:  KIENY, Marie-Paule
;    TITLE OF INVENTION:  NOVEL HYBRID, SOLUBLE AND UNCLEAVED
;    TITLE OF INVENTION:  gp160 VARIANT
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BURNS, DOANE, SWECKER & MATHIS
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,240A
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/956,483
;      FILING DATE:  31-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Teskin, Robin L.
;      REGISTRATION NUMBER:  35,030
;      REFERENCE/DOCKET NUMBER:  017753-055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  906 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..873
US-08-472-240A-3

  Query Match             64.1%;  Score 25;  DB 3;  Length 906;
  Best Local Similarity   100.0%;  Pred. No. 3.9e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         14 WXXXW 18


RESULT 6
US-08-353-400-27
; Sequence 27, Application US/08353400
; Patent No. 5665357
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  37
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/353,400
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9324819.3
;      FILING DATE:  03-DEC-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9411089.7
;      FILING DATE:  03-JUN-1994
;  INFORMATION FOR SEQ ID NO:  27:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-353-400-27

  Query Match             61.5%;  Score 24;  DB 1;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          1 GYW 3


RESULT 7
US-08-753-750B-38
; Sequence 38, Application US/08753750B
; Patent No. 6610506
; GENERAL INFORMATION:
;  APPLICANT: Lo, Reggie Y.C.
;  APPLICANT:  Schryvers, Anthony B.
;  APPLICANT:  Potter, Andrew A.
;  TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS OF
;  TITLE OF INVENTION:  PASTEURELLA HAEMOLYTICA AND VACCINES CONTAINING THE SAME
;  FILE REFERENCE: A34762 021645.0105
;  CURRENT APPLICATION NUMBER: US/08/753,750B
;  CURRENT FILING DATE:  1996-11-29
;  PRIOR APPLICATION NUMBER: CA 2,164,274
;  PRIOR FILING DATE: 1995-12-01
;  PRIOR APPLICATION NUMBER: 60/008,569
;  PRIOR FILING DATE: 1995-12-01
;  NUMBER OF SEQ ID NOS: 68
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 38
;   LENGTH: 5
;   TYPE: PRT
;   ORGANISM: Pasteurella haemolytica
US-08-753-750B-38

  Query Match             61.5%;  Score 24;  DB 4;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          3 GYW 5


RESULT 8
5185431-15
;Patent No. 5185431
;    APPLICANT: YOSHIMATSU, KENTARO;SHIKATA, YASUSHI;TANAKA, ISAO;
;HASEGAWA, YOSHIKAZU;SETO, TOSHIO;OSAWA, TOSHIO
;    TITLE OF INVENTION: RECOMBINANT NATURAL KILLER CELL ACTIVATOR
;    NUMBER OF SEQUENCES: 31
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/392,841
;      FILING DATE: 11-AUG-1989
;SEQ ID NO:15:
;      LENGTH: 5
5185431-15
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  Query Match             61.5%;  Score 24;  DB 6;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 9
US-07-718-577-6
; Sequence 6, Application US/07718577
; Patent No. 5432018
;  GENERAL INFORMATION:
;    APPLICANT:  Dower, William J.
;    APPLICANT:  Cwirla, Steven E.
;    APPLICANT:  Barrett, Ronald W.
;    TITLE OF INVENTION:  PEPTIDE LIBRARY AND
;    TITLE OF INVENTION:  SCREENING SYSTEMS
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend
;      STREET:  One Market Plaza, Steuart Street
;      STREET:  Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/718,577
;      FILING DATE:  19910620
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/541,108
;      FILING DATE:  20-JUN-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M.
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  11509-25-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 326-2400
;      TELEFAX:  (415) 326-2422
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  6 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-718-577-6

  Query Match             61.5%;  Score 24;  DB 1;  Length 6;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 10
US-09-388-788-2
; Sequence 2, Application US/09388788
; Patent No. 6429359
; GENERAL INFORMATION:
;  APPLICANT:  LAMPPA, GAYLE
;  TITLE OF INVENTION:  PRODUCTION OF CELLULASE IN PLASTIDS OF TRANSGENIC
;  TITLE OF INVENTION:  PLANTS
;  FILE REFERENCE:  21459/90301
;  CURRENT APPLICATION NUMBER: US/09/388,788
;  CURRENT FILING DATE:  1999-09-02
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 7
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Fusion Protein
;   OTHER INFORMATION: Construct
US-09-388-788-2

  Query Match             61.5%;  Score 24;  DB 4;  Length 7;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 11
US-08-586-670A-17
; Sequence 17, Application US/08586670A
; Patent No. 6241965
;  GENERAL INFORMATION:
;    APPLICANT:  McBride, William
;    APPLICANT:  Dean, Richard T.
;    TITLE OF INVENTION:  Somatostatin Derivatives
;    TITLE OF INVENTION:  And their Radiolabeled Products
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Ltd.
;      STREET:  10 South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/586,670A
;      FILING DATE:  22-APR-1996
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6241965nan, Kevin E
;      REGISTRATION NUMBER:  35,303
;      REFERENCE/DOCKET NUMBER:  92,385-DD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1..2
;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "Phe is in the D conformation and is
;      OTHER INFORMATION:  linked to DTPA;
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1..4
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;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "The Phe is in the D conformation; Xaa
;      OTHER INFORMATION:  is L-4-chlorophenylalanine; the Trp is in the
;      OTHER INFORMATION:  D conformation;
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7..8
;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "The carboxyl group of the C-terminal
;      OTHER INFORMATION:  Thr is reduced to an alcohol;
US-08-586-670A-17

  Query Match             61.5%;  Score 24;  DB 3;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 12
US-09-125-641-1
; Sequence 1, Application US/09125641
; Patent No. 6610297
;  GENERAL INFORMATION:
;    APPLICANT:  Kricek, Franz
;    APPLICANT:  Stadler, Beda
;    TITLE OF INVENTION:  Peptide Immunogens For Vaccination
;    TITLE OF INVENTION:  Against and Treatment of Allergy
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6610297artis Corporation
;      STREET:  564 Morris Avenue
;      CITY:  Summit
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07901
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/125,641
;      FILING DATE:  21-AUG-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP97/01013
;      FILING DATE:  28-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9604412.8
;      FILING DATE:  01-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9617702.7
;      FILING DATE:  22-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D.
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  4-900-9862/A/NFI/PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 522-6923
;      TELEFAX:  (908) 522-6923
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
US-09-125-641-1

  Query Match             61.5%;  Score 24;  DB 4;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 13
US-09-125-641-2
; Sequence 2, Application US/09125641
; Patent No. 6610297
;  GENERAL INFORMATION:
;    APPLICANT:  Kricek, Franz
;    APPLICANT:  Stadler, Beda
;    TITLE OF INVENTION:  Peptide Immunogens For Vaccination
;    TITLE OF INVENTION:  Against and Treatment of Allergy
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6610297artis Corporation
;      STREET:  564 Morris Avenue
;      CITY:  Summit
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07901
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/125,641
;      FILING DATE:  21-AUG-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP97/01013
;      FILING DATE:  28-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9604412.8
;      FILING DATE:  01-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9617702.7
;      FILING DATE:  22-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D.
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  4-900-9862/A/NFI/PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 522-6923
;      TELEFAX:  (908) 522-6923
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
US-09-125-641-2

  Query Match             61.5%;  Score 24;  DB 4;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7
```

```
RESULT 14
US-08-433-522A-13
; Sequence 13, Application US/08433522A
; Patent No. 6013514
;  GENERAL INFORMATION:
;    APPLICANT:  CHONG, Pele
;    APPLICANT:  THOMAS, Wayne
;    APPLICANT:  YANG, Yan Ping
;    APPLICANT:  LOOSMORE, Sheena
;    APPLICANT:  SIA, Dwo Yuan Charles
;    APPLICANT:  KLEIN, Michel
;    TITLE OF INVENTION:  HAEMOPHILUS OUTER MEMBRANE PROTEIN
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  6TH Floor, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/433,522A
;      FILING DATE:  12-SEP-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEWART, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1038-434 MIS:jb
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  9 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-433-522A-13

  Query Match             61.5%;  Score 24;  DB 3;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          6 GYW 8


RESULT 15
US-09-135-166-13
; Sequence 13, Application US/09135166
; Patent No. 6083743
;  GENERAL INFORMATION:
;    APPLICANT:  CHONG, Pele
;    APPLICANT:  THOMAS, Wayne
;    APPLICANT:  YANG, Yan Ping
;    APPLICANT:  LOOSMORE, Sheena
;    APPLICANT:  SIA, Dwo Yuan Charles
;    APPLICANT:  KLEIN, Michel
;    TITLE OF INVENTION:  HAEMOPHILUS OUTER MEMBRANE PROTEIN
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  6TH Floor, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/135,166
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/433,522
;      FILING DATE:  12-SEP-1995
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEWART, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1038-829 MIS:jb
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  9 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-135-166-13

  Query Match             61.5%;  Score 24;  DB 3;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          6 GYW 8


Search completed: May  7, 2004, 06:22:38
Job time : 13.44 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 11.76 Seconds
(without alignments)
30.730 Million cell updates/sec

Title: US-10-046-922-67
Perfect score: 38
Sequence: 1 GYWXXXW 7

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	25	65.8	8	4	US-09-350-641C-1668	Sequence 1668, Ap
2	25	65.8	16	4	US-08-990-888-4	Sequence 4, Appli
3	25	65.8	90	4	US-08-936-165A-262	Sequence 262, App
4	25	65.8	887	3	US-08-472-240A-2	Sequence 2, Appli
5	25	65.8	906	3	US-08-472-240A-3	Sequence 3, Appli
6	24	63.2	5	1	US-08-353-400-27	Sequence 27, Appl
7	24	63.2	5	4	US-08-753-750B-38	Sequence 38, Appl
8	24	63.2	5	6	5185431-15	Patent No. 5185431
9	24	63.2	6	1	US-07-718-577-6	Sequence 6, Appli
10	24	63.2	7	4	US-09-388-788-2	Sequence 2, Appli
11	24	63.2	8	3	US-08-586-670A-17	Sequence 17, Appl
12	24	63.2	8	4	US-09-125-641-1	Sequence 1, Appli
13	24	63.2	8	4	US-09-125-641-2	Sequence 2, Appli
14	24	63.2	9	3	US-08-433-522A-13	Sequence 13, Appl
15	24	63.2	9	3	US-09-135-166-13	Sequence 13, Appl
16	24	63.2	9	3	US-08-942-046-13	Sequence 13, Appl
17	24	63.2	9	4	US-09-125-641-29	Sequence 29, Appl
18	24	63.2	10	1	US-08-604-913B-2	Sequence 2, Appli
19	24	63.2	10	1	US-08-465-391A-336	Sequence 336, App
20	24	63.2	10	2	US-08-464-538B-334	Sequence 334, App
21	24	63.2	10	2	US-08-463-076E-339	Sequence 339, App
22	24	63.2	10	4	US-09-125-641-3	Sequence 3, Appli
23	24	63.2	10	4	US-09-125-641-19	Sequence 19, Appl
24	24	63.2	10	4	US-09-428-082B-927	Sequence 927, App
25	24	63.2	11	1	US-08-190-788A-116	Sequence 116, App
26	24	63.2	11	1	US-08-383-474B-121	Sequence 121, App
27	24	63.2	11	1	US-08-465-391A-116	Sequence 116, App
28	24	63.2	11	1	US-08-465-391A-315	Sequence 315, App
29	24	63.2	11	1	US-08-465-391A-316	Sequence 316, App
30	24	63.2	11	1	US-08-465-391A-320	Sequence 320, App
31	24	63.2	11	1	US-08-465-391A-321	Sequence 321, App
32	24	63.2	11	1	US-08-465-391A-322	Sequence 322, App
33	24	63.2	11	1	US-08-465-391A-323	Sequence 323, App
34	24	63.2	11	1	US-08-465-391A-324	Sequence 324, App
35	24	63.2	11	1	US-08-465-391A-337	Sequence 337, App
36	24	63.2	11	1	US-08-465-391A-338	Sequence 338, App
37	24	63.2	11	1	US-08-465-391A-339	Sequence 339, App
38	24	63.2	11	1	US-08-465-391A-343	Sequence 343, App
39	24	63.2	11	1	US-08-465-391A-344	Sequence 344, App
40	24	63.2	11	1	US-08-465-391A-345	Sequence 345, App
41	24	63.2	11	1	US-08-465-391A-346	Sequence 346, App
42	24	63.2	11	1	US-08-465-391A-347	Sequence 347, App
43	24	63.2	11	1	US-08-465-391A-349	Sequence 349, App
44	24	63.2	11	2	US-08-464-538B-116	Sequence 116, App
45	24	63.2	11	2	US-08-464-538B-313	Sequence 313, App

ALIGNMENTS

RESULT 1
US-09-350-641C-1668
; Sequence 1668, Application US/09350641C
; Patent No. 6656906
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; TITLE OF INVENTION: PROPERTIES
; FILE REFERENCE: 7872-067
; CURRENT APPLICATION NUMBER: US/09/350,641C
; CURRENT FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1668
; LENGTH: 8
; TYPE: PRT
; ORGANISM: HIV-1
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)...(8)
; OTHER INFORMATION: Xaa=unknown amino acid
US-09-350-641C-1668

Query Match 65.8%; Score 25; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXW 7
|||||
Db 1 WXXXW 5

RESULT 2
US-08-990-888-4
; Sequence 4, Application US/08990888B
; Patent No. 6387879
; GENERAL INFORMATION:
; APPLICANT: Blume, Arthur J.
; APPLICANT: Brissette, Renee
; APPLICANT: Carcamo, Juan
; APPLICANT: Mandecki, Wlodeck S.
; APPLICANT: Tang, Pauline M.

```
;  TITLE OF INVENTION: Assays For Compounds Which Bind Growth Hormone Receptor
;  FILE REFERENCE: 2598-4002
;  CURRENT APPLICATION NUMBER: US/08/990,888B
;  CURRENT FILING DATE: 1997-12-15
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;    LENGTH: 16
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: consensus sequence, wherein X1 is S, R, T, N, H,
;    OTHER INFORMATION: or A; X2 is L, W, or F; X3 is G, A, V, P, Q, E, or
;    OTHER INFORMATION: R; X4 is V, I, A, L, D, E, P, or F; X5 is T, G, S,
;    OTHER INFORMATION: R, K, N, A, L, or W; X6 is Y, W, F, or Q;
;    FEATURE:
;    OTHER INFORMATION: X7 is L, V, or I;  X8 is A, T, S, V, W, or D; X9
;    OTHER INFORMATION: is G,  A, S, or R
US-08-990-888-4

  Query Match             65.8%;  Score 25;  DB 4;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1e+02;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         11 WXXXW 15


RESULT 3
US-08-936-165A-262
; Sequence 262, Application US/08936165A
; Patent No. 6348582
;  GENERAL INFORMATION:
;    APPLICANT:  Black, Michael
;    APPLICANT:  Burnham, Martin
;    APPLICANT:  Hodgson, John
;    APPLICANT:  Knowles, David
;    APPLICANT:  Lonetto, Michael
;    APPLICANT:  Nicholas, Richard
;    APPLICANT:  Pratt, Julie
;    APPLICANT:  Reichard, Richard
;    APPLICANT:  Rosenberg, Martin
;    APPLICANT:  Ward, Judith
;    TITLE OF INVENTION:  No. 6348582el Prokaryotic Polynucleotides,
;    TITLE OF INVENTION:  Polypeptides and Their Uses
;    NUMBER OF SEQUENCES:  534
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SmithKline Beecham Corporation
;      STREET:  709 Swedeland Road
;      CITY:  King of Prussia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19406-0939
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/936,165A
;      FILING DATE:  24-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/027,032
;      FILING DATE:  24-SEP-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gimmi, Edward R
;      REGISTRATION NUMBER:  38,891
;      REFERENCE/DOCKET NUMBER:  P50549
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-270-4478
;      TELEFAX:  610-270-5090
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  262:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Protein
US-08-936-165A-262

  Query Match             65.8%;  Score 25;  DB 4;  Length 90;
  Best Local Similarity   100.0%;  Pred. No. 4.9e+02;
  Matches    4;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWX 4
              ||||
Db         76 GYWX 79


RESULT 4
US-08-472-240A-2
; Sequence 2, Application US/08472240A
; Patent No. 6284248
;  GENERAL INFORMATION:
;    APPLICANT:  KIENY, Marie-Paule
;    TITLE OF INVENTION:  NOVEL HYBRID, SOLUBLE AND UNCLEAVED
;    TITLE OF INVENTION:  gp160 VARIANT
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BURNS, DOANE, SWECKER & MATHIS
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,240A
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/956,483
;      FILING DATE:  31-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Teskin, Robin L.
;      REGISTRATION NUMBER:  35,030
;      REFERENCE/DOCKET NUMBER:  017753-055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  887 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..854
US-08-472-240A-2

  Query Match             65.8%;  Score 25;  DB 3;  Length 887;
  Best Local Similarity   100.0%;  Pred. No. 3.8e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         14 WXXXW 18
```

```
RESULT 5
US-08-472-240A-3
; Sequence 3, Application US/08472240A
; Patent No. 6284248
;  GENERAL INFORMATION:
;    APPLICANT:  KIENY, Marie-Paule
;    TITLE OF INVENTION:  NOVEL HYBRID, SOLUBLE AND UNCLEAVED
;    TITLE OF INVENTION:  gp160 VARIANT
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BURNS, DOANE, SWECKER & MATHIS
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,240A
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/956,483
;      FILING DATE:  31-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Teskin, Robin L.
;      REGISTRATION NUMBER:  35,030
;      REFERENCE/DOCKET NUMBER:  017753-055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  906 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..873
US-08-472-240A-3

  Query Match             65.8%;  Score 25;  DB 3;  Length 906;
  Best Local Similarity   100.0%;  Pred. No. 3.9e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         14 WXXXW 18


RESULT 6
US-08-353-400-27
; Sequence 27, Application US/08353400
; Patent No. 5665357
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  37
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/353,400
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9324819.3
;      FILING DATE:  03-DEC-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9411089.7
;      FILING DATE:  03-JUN-1994
;  INFORMATION FOR SEQ ID NO:  27:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-353-400-27

  Query Match             63.2%;  Score 24;  DB 1;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          1 GYW 3


RESULT 7
US-08-753-750B-38
; Sequence 38, Application US/08753750B
; Patent No. 6610506
; GENERAL INFORMATION:
;  APPLICANT: Lo, Reggie Y.C.
;  APPLICANT:  Schryvers, Anthony B.
;  APPLICANT:  Potter, Andrew A.
;  TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS OF
;  TITLE OF INVENTION:  PASTEURELLA HAEMOLYTICA AND VACCINES CONTAINING THE SAME
;  FILE REFERENCE: A34762 021645.0105
;  CURRENT APPLICATION NUMBER: US/08/753,750B
;  CURRENT FILING DATE:  1996-11-29
;  PRIOR APPLICATION NUMBER: CA 2,164,274
;  PRIOR FILING DATE: 1995-12-01
;  PRIOR APPLICATION NUMBER: 60/008,569
;  PRIOR FILING DATE: 1995-12-01
;  NUMBER OF SEQ ID NOS: 68
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 38
;   LENGTH: 5
;   TYPE: PRT
;   ORGANISM: Pasteurella haemolytica
US-08-753-750B-38

  Query Match             63.2%;  Score 24;  DB 4;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          3 GYW 5


RESULT 8
5185431-15
;Patent No. 5185431
;    APPLICANT: YOSHIMATSU, KENTARO;SHIKATA, YASUSHI;TANAKA, ISAO;
;HASEGAWA, YOSHIKAZU;SETO, TOSHIO;OSAWA, TOSHIO
;    TITLE OF INVENTION: RECOMBINANT NATURAL KILLER CELL ACTIVATOR
;    NUMBER OF SEQUENCES: 31
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/392,841
;      FILING DATE: 11-AUG-1989
;SEQ ID NO:15:
;      LENGTH: 5
5185431-15
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```
  Query Match             63.2%;  Score 24;  DB 6;  Length 5;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 9
US-07-718-577-6
; Sequence 6, Application US/07718577
; Patent No. 5432018
; GENERAL INFORMATION:
;    APPLICANT:  Dower, William J.
;    APPLICANT:  Cwirla, Steven E.
;    APPLICANT:  Barrett, Ronald W.
;    TITLE OF INVENTION:  PEPTIDE LIBRARY AND
;    TITLE OF INVENTION:  SCREENING SYSTEMS
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend
;      STREET:  One Market Plaza, Steuart Street
;      STREET:  Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/718,577
;      FILING DATE:  19910620
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/541,108
;      FILING DATE:  20-JUN-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M.
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  11509-25-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 326-2400
;      TELEFAX:  (415) 326-2422
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  6 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-718-577-6

  Query Match             63.2%;  Score 24;  DB 1;  Length 6;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 10
US-09-388-788-2
; Sequence 2, Application US/09388788
; Patent No. 6429359
; GENERAL INFORMATION:
;  APPLICANT:  LAMPPA, GAYLE
;  TITLE OF INVENTION:  PRODUCTION OF CELLULASE IN PLASTIDS OF TRANSGENIC
;  TITLE OF INVENTION:  PLANTS
;  FILE REFERENCE:  21459/90301
;  CURRENT APPLICATION NUMBER: US/09/388,788
;  CURRENT FILING DATE:  1999-09-02
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 2
;    LENGTH: 7
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Fusion Protein
;    OTHER INFORMATION: Construct
US-09-388-788-2

  Query Match             63.2%;  Score 24;  DB 4;  Length 7;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 11
US-08-586-670A-17
; Sequence 17, Application US/08586670A
; Patent No. 6241965
; GENERAL INFORMATION:
;    APPLICANT:  McBride, William
;    APPLICANT:  Dean, Richard T.
;    TITLE OF INVENTION:  Somatostatin Derivatives
;    TITLE OF INVENTION:  And their Radiolabeled Products
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Ltd.
;      STREET:  10 South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/586,670A
;      FILING DATE:  22-APR-1996
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6241965nan, Kevin E
;      REGISTRATION NUMBER:  35,303
;      REFERENCE/DOCKET NUMBER:  92,385-DD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1..2
;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "Phe is in the D conformation and is
;      OTHER INFORMATION:  linked to DTPA;
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1..4
```

```
;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "The Phe is in the D conformation; Xaa
;      OTHER INFORMATION:  is L-4-chlorophenylalanine; the Trp is in the
;      OTHER INFORMATION:  D conformation;
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7..8
;      OTHER INFORMATION:  /label= Variant residues
;      OTHER INFORMATION:  /note= "The carboxyl group of the C-terminal
;      OTHER INFORMATION:  Thr is reduced to an alcohol;
US-08-586-670A-17

  Query Match             63.2%;  Score 24;  DB 3;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          2 GYW 4


RESULT 12
US-09-125-641-1
; Sequence 1, Application US/09125641
; Patent No. 6610297
;  GENERAL INFORMATION:
;    APPLICANT:  Kricek, Franz
;    APPLICANT:  Stadler, Beda
;    TITLE OF INVENTION:  Peptide Immunogens For Vaccination
;    TITLE OF INVENTION:  Against and Treatment of Allergy
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6610297artis Corporation
;      STREET:  564 Morris Avenue
;      CITY:  Summit
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07901
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/125,641
;      FILING DATE:  21-AUG-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP97/01013
;      FILING DATE:  28-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9604412.8
;      FILING DATE:  01-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9617702.7
;      FILING DATE:  22-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D.
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  4-900-9862/A/NFI/PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 522-6923
;      TELEFAX:  (908) 522-6923
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
US-09-125-641-1

  Query Match             63.2%;  Score 24;  DB 4;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 13
US-09-125-641-2
; Sequence 2, Application US/09125641
; Patent No. 6610297
;  GENERAL INFORMATION:
;    APPLICANT:  Kricek, Franz
;    APPLICANT:  Stadler, Beda
;    TITLE OF INVENTION:  Peptide Immunogens For Vaccination
;    TITLE OF INVENTION:  Against and Treatment of Allergy
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6610297artis Corporation
;      STREET:  564 Morris Avenue
;      CITY:  Summit
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07901
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/125,641
;      FILING DATE:  21-AUG-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP97/01013
;      FILING DATE:  28-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9604412.8
;      FILING DATE:  01-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9617702.7
;      FILING DATE:  22-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D.
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  4-900-9862/A/NFI/PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 522-6923
;      TELEFAX:  (908) 522-6923
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  8 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
US-09-125-641-2

  Query Match             63.2%;  Score 24;  DB 4;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7
```

```
RESULT 14
US-08-433-522A-13
; Sequence 13, Application US/08433522A
; Patent No. 6013514
;  GENERAL INFORMATION:
;    APPLICANT:  CHONG, Pele
;    APPLICANT:  THOMAS, Wayne
;    APPLICANT:  YANG, Yan Ping
;    APPLICANT:  LOOSMORE, Sheena
;    APPLICANT:  SIA, Dwo Yuan Charles
;    APPLICANT:  KLEIN, Michel
;    TITLE OF INVENTION:  HAEMOPHILUS OUTER MEMBRANE PROTEIN
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  6TH Floor, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/433,522A
;      FILING DATE:  12-SEP-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEWART, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1038-434 MIS:jb
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  9 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-433-522A-13

  Query Match             63.2%;  Score 24;  DB 3;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          6 GYW 8


RESULT 15
US-09-135-166-13
; Sequence 13, Application US/09135166
; Patent No. 6083743
;  GENERAL INFORMATION:
;    APPLICANT:  CHONG, Pele
;    APPLICANT:  THOMAS, Wayne
;    APPLICANT:  YANG, Yan Ping
;    APPLICANT:  LOOSMORE, Sheena
;    APPLICANT:  SIA, Dwo Yuan Charles
;    APPLICANT:  KLEIN, Michel
;    TITLE OF INVENTION:  HAEMOPHILUS OUTER MEMBRANE PROTEIN
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  6TH Floor, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/135,166
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/433,522
;      FILING DATE:  12-SEP-1995
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEWART, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1038-829 MIS:jb
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  9 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-135-166-13

  Query Match             63.2%;  Score 24;  DB 3;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 3e+05;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          6 GYW 8


Search completed: May  7, 2004, 06:22:38
Job time : 12.76 secs
```

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 7.68 Seconds
(without alignments)
54.240 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYWXXXWX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID		Description
1	24	61.5	30	1	SILU_RHIPU	P02885	rhizomucor
2	24	61.5	38	1	TXM1_MACGS	P83557	macrothele
3	24	61.5	40	1	TXM2_MACGS	P83558	macrothele
4	24	61.5	44	1	RK32_LYCES	P36493	lycopersico
5	24	61.5	47	1	HMC4_DESVH	P33391	desulfovibr
6	24	61.5	50	1	RK32_LOTJA	Q9bbp5	lotus japon
7	24	61.5	51	1	RK32_ARATH	P42354	arabidopsis
8	24	61.5	56	1	RK32_SPIOL	P28804	spinacia ol
9	24	61.5	62	1	IOTA_GONVI	P82025	gonatodes v
10	24	61.5	67	1	YHLB_STAAU	P21224	staphylococ
11	24	61.5	71	1	ESSD_ECOLI	P77242	escherichia
12	24	61.5	71	1	VLYS_BPP21	P27360	bacteriopha
13	24	61.5	72	1	Y738_SYNY3	P74794	synechocyst
14	24	61.5	74	1	YVDI_VACCC	P20553	vaccinia vi
15	24	61.5	76	1	UL43_HSVE4	P22597	equine herp
16	24	61.5	77	1	DSRD_ARCFU	P70742	archaeoglob
17	24	61.5	79	1	APC2_BOVIN	P19034	bos taurus
18	24	61.5	83	1	YODI_BACSU	O34654	bacillus su
19	24	61.5	85	1	YX58_MYCTU	O50387	mycobacteri
20	24	61.5	89	1	Y008_TREPA	O83053	treponema p
21	24	61.5	90	1	VPM_BPPRD	P27389	bacteriopha
22	24	61.5	91	1	APC3_CAVPO	Q9z2r5	cavia porce
23	24	61.5	99	1	APC3_MOUSE	P33622	mus musculu
24	24	61.5	99	1	YT45_COREF	Q8fsu9	corynebacte
25	24	61.5	100	1	YF78_MYCPN	P75202	mycoplasma
26	24	61.5	101	1	APC3_RAT	P06759	rattus norv
27	24	61.5	104	1	YJEO_ECOLI	P39284	escherichia
28	24	61.5	107	1	RLA1_CHLRE	P29763	chlamydomon
29	24	61.5	108	1	YML2_THIFE	P20088	thiobacillu
30	24	61.5	110	1	GON2_SUNMU	O97686	suncus muri
31	24	61.5	110	1	Y103_ARATH	O80594	arabidopsis
32	24	61.5	114	1	YGI3_BACTU	P10024	bacillus th
33	24	61.5	115	1	RL20_CHLTE	Q8kam7	chlorobium
34	24	61.5	116	1	RL20_MYCPU	Q98qv0	mycoplasma
35	24	61.5	117	1	HV41_MOUSE	P01811	mus musculu
36	24	61.5	117	1	NU3M_SARGL	O63850	sarcophyton
37	24	61.5	118	1	NU3M_METSE	Q35100	metridium s
38	24	61.5	119	1	RL20_THETN	Q8r9c4	thermoanaer
39	24	61.5	121	1	LCA_MACRG	P07458	macropus ru
40	24	61.5	124	1	V124_ASFB7	P18558	african swi
41	24	61.5	124	1	V124_ASFL5	P26707	african swi
42	24	61.5	124	1	V125_ASFL5	P26708	african swi
43	24	61.5	126	1	CU24_ARADI	P80516	araneus dia
44	24	61.5	127	1	CU26_ARADI	P80517	araneus dia
45	24	61.5	130	1	Y06O_BPT4	P39222	bacteriopha

ALIGNMENTS

RESULT 1
SILU_RHIPU
ID SILU_RHIPU STANDARD; PRT; 30 AA.
AC P02885;
DT 21-JUL-1986 (Rel. 01, Created)
DT 21-JUL-1986 (Rel. 01, Last sequence update)
DT 01-AUG-1988 (Rel. 08, Last annotation update)
DE Sillucin.
OS Rhizomucor pusillus.
OC Eukaryota; Fungi; Zygomycota; Zygomycetes; Mucorales; Mucoraceae;
OC Rhizomucor.
OX NCBI_TaxID=4840;
RN [1]
RP SEQUENCE.
RX MEDLINE=79107453; PubMed=761621;
RA Bradley W.A., Somkuti G.A.;
RT "The primary structure of sillucin and antimicrobial peptide from
RT Mucor pusillus.";
RL FEBS Lett. 97:81-83(1979).
CC -!- FUNCTION: Sillucin is an antimicrobial agent produced by the
CC thermophilic fungus rhizomucor pusillus in liquid culture; it is
CC effective against Gram-positive bacteria at the level of RNA
CC metabolism.
CC -!- PTM: Four disulfide bonds are present.
DR PIR; A03380; SNUMP.
KW Antibiotic.
SQ SEQUENCE 30 AA; 3209 MW; F0F0F067FF2BEC3E CRC64;

Query Match 61.5%; Score 24; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYW 3
|||
Db 18 GYW 20

RESULT 2
TXM1_MACGS
ID TXM1_MACGS STANDARD; PRT; 38 AA.
AC P83557;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Neurotoxin Magi 1.
OS Macrothele gigas (Spider).
OC Eukaryota; Metazoa; Arthropoda; Chelicerata; Arachnida; Araneae;
OC Mygalomorphae; Hexathelidae; Macrothele.
OX NCBI_TaxID=223896;
RN [1]
RP SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, TISSUE SPECIFICITY, MASS
RP SPECTROMETRY, AND DISULFIDE BONDS.
RC TISSUE=Venom;
RX MEDLINE=22744743; PubMed=12860384;
RA Corzo G., Gilles N., Satake H., Villegas E., Dai L., Nakajima T.,
RA Haupt J.;

```
RT   "Distinct primary structures of the major peptide toxins from the
RT   venom of the spider Macrothele gigas that bind to sites 3 and 4 in the
RT   sodium channel.";
RL   FEBS Lett. 547:43-50(2003).
CC   -!- FUNCTION: Insecticidal neurotoxin. Has no effect on lepidopteran
CC       larvae when injected at 20 pmol/g, or on mice when injected
CC       intracranially at 32.8 nmol/g.
CC   -!- SUBCELLULAR LOCATION: Secreted.
CC   -!- TISSUE SPECIFICITY: Expressed by the venom gland.
CC   -!- PTM: Contains three disulfide bonds.
CC   -!- MASS SPECTROMETRY: MW=4563.0; METHOD=MALDI.
KW   Toxin; Neurotoxin; Sodium channel inhibitor; Ionic channel inhibitor.
SQ   SEQUENCE   38 AA;  4602 MW;  F77D05A218675600 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 38;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         25 GYW 27


RESULT 3
TXM2_MACGS
ID   TXM2_MACGS     STANDARD;      PRT;    40 AA.
AC   P83558;
DT   10-OCT-2003 (Rel. 42, Created)
DT   10-OCT-2003 (Rel. 42, Last sequence update)
DT   10-OCT-2003 (Rel. 42, Last annotation update)
DE   Neurotoxin Magi 2.
OS   Macrothele gigas (Spider).
OC   Eukaryota; Metazoa; Arthropoda; Chelicerata; Arachnida; Araneae;
OC   Mygalomorphae; Hexathelidae; Macrothele.
OX   NCBI_TaxID=223896;
RN   [1]
RP   SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, TISSUE SPECIFICITY, MASS
RP   SPECTROMETRY, AND DISULFIDE BONDS.
RC   TISSUE=Venom;
RX   MEDLINE=22744743; PubMed=12860384;
RA   Corzo G., Gilles N., Satake H., Villegas E., Dai L., Nakajima T.,
RA   Haupt J.;
RT   "Distinct primary structures of the major peptide toxins from the
RT   venom of the spider Macrothele gigas that bind to sites 3 and 4 in the
RT   sodium channel.";
RL   FEBS Lett. 547:43-50(2003).
CC   -!- FUNCTION: Insecticidal neurotoxin. Induces flaccid paralysis when
CC       injected into lepidopteran larvae. Is not toxic to mice when
CC       injected intracranially at 20 pmol/g.
CC   -!- SUBCELLULAR LOCATION: Secreted.
CC   -!- TISSUE SPECIFICITY: Expressed by the venom gland.
CC   -!- PTM: Contains three disulfide bonds.
CC   -!- MASS SPECTROMETRY: MW=4940.3; METHOD=MALDI.
CC   -!- MISCELLANEOUS: LD(50) is 17.6 nmol/kg to lepidopteran larvae.
KW   Toxin; Neurotoxin; Sodium channel inhibitor; Ionic channel inhibitor.
SQ   SEQUENCE   40 AA;  4948 MW;  1B04FE5A35E31A96 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 40;
  Best Local Similarity   100.0%;  Pred. No. 78;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         27 GYW 29


RESULT 4
RK32_LYCES
ID   RK32_LYCES     STANDARD;      PRT;    44 AA.
AC   P36493;
DT   01-JUN-1994 (Rel. 29, Created)
DT   01-JUN-1994 (Rel. 29, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Chloroplast 50S ribosomal protein L32 (Fragment).
GN   RPL32.
OS   Lycopersicon esculentum (Tomato).
OG   Chloroplast.
OC   Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC   Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; asterids;
OC   lamiids; Solanales; Solanaceae; Solanum.
OX   NCBI_TaxID=4081;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=cv. VFNT Cherry LA1221;
RX   MEDLINE=94244622; PubMed=7514532;
RA   Vera A., Sugiura M.;
RT   "A novel RNA gene in the tobacco plastid genome: its possible role in
RT   the maturation of 16S rRNA.";
RL   EMBO J. 13:2211-2217(1994).
CC   -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC   ----------------------------------------------------------------------
CC   This SWISS-PROT entry is copyright. It is produced through a collaboration
CC   between the Swiss Institute of Bioinformatics and the EMBL outstation -
CC   the European Bioinformatics Institute. There are no restrictions on its
CC   use by non-profit institutions as long as its content is in no way
CC   modified and this statement is not removed. Usage by and for commercial
CC   entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC   or send an email to license@isb-sib.ch).
CC   ----------------------------------------------------------------------
DR   EMBL; D17805; BAA04629.1; -.
DR   PIR; T07762; T07762.
DR   HAMAP; MF_00340; -; 1.
DR   InterPro; IPR002677; Ribosomal_L32p.
DR   Pfam; PF01783; Ribosomal_L32p; 1.
KW   Ribosomal protein; Chloroplast.
FT   NON_TER       1       1
SQ   SEQUENCE   44 AA;  5214 MW;  80314CF1400BAC0A CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 86;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         13 GYW 15


RESULT 5
HMC4_DESVH
ID   HMC4_DESVH     STANDARD;      PRT;    47 AA.
AC   P33391;
DT   01-FEB-1994 (Rel. 28, Created)
DT   01-FEB-1994 (Rel. 28, Last sequence update)
DT   10-OCT-2003 (Rel. 42, Last annotation update)
DE   5.8 kDa protein in HMC operon (ORF 4).
OS   Desulfovibrio vulgaris (strain Hildenborough).
OC   Bacteria; Proteobacteria; Deltaproteobacteria; Desulfovibrionales;
OC   Desulfovibrionaceae; Desulfovibrio.
OX   NCBI_TaxID=882;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NCIMB 8303;
RX   MEDLINE=93328674; PubMed=8335628;
RA   Rossi M., Pollock W.B.R., Reij M.W., Keon R.G., Fu R., Voordouw G.;
RT   "The hmc operon of Desulfovibrio vulgaris subsp. vulgaris
RT   Hildenborough encodes a potential transmembrane redox protein
RT   complex.";
RL   J. Bacteriol. 175:4699-4711(1993).
CC   -!- FUNCTION: HMWC (high-molecular-weight cytochrome c), ORF2, ORF3,
CC       ORF4, ORF5 and ORF6 in the HMC operon form a transmembrane protein
CC       complex that allows electron flow from the periplasmic hydrogenase
CC       to the cytoplasmic enzymes that catalyze reduction of sulfates.
CC   -!- SUBCELLULAR LOCATION: Integral membrane protein.
CC   ----------------------------------------------------------------------
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CC   entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC   or send an email to license@isb-sib.ch).
CC   ---------------------------------------------------------------------------
DR   EMBL; L16784; AAA71997.1; -.
DR   PIR; D40605; D40605.
KW   Transmembrane.
FT   TRANSMEM     18     37       POTENTIAL.
SQ   SEQUENCE   47 AA;  5773 MW;  30D4C1585B3C7209 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 47;
  Best Local Similarity   100.0%;  Pred. No. 91;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
               |||
Db         32 GYW 34


RESULT 6
RK32_LOTJA
ID   RK32_LOTJA     STANDARD;      PRT;     50 AA.
AC   Q9BBP5;
DT   28-FEB-2003 (Rel. 41, Created)
DT   28-FEB-2003 (Rel. 41, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Chloroplast 50S ribosomal protein L32.
GN   RPL32.
OS   Lotus japonicus.
OG   Chloroplast.
OC   Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC   Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
OC   eurosids I; Fabales; Fabaceae; Papilionoideae; Loteae; Lotus.
OX   NCBI_TaxID=34305;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=Accession MG-20;
RX   MEDLINE=21082929; PubMed=11214967;
RA   Kato T., Kaneko T., Sato S., Nakamura Y., Tabata S.;
RT   "Complete structure of the chloroplast genome of a legume, Lotus
RT   japonicus.";
RL   DNA Res. 7:323-330(2000).
CC   -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC   ---------------------------------------------------------------------------
CC   This SWISS-PROT entry is copyright. It is produced through a collaboration
CC   between  the Swiss Institute of Bioinformatics  and the  EMBL outstation -
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CC   or send an email to license@isb-sib.ch).
CC   ---------------------------------------------------------------------------
DR   EMBL; AP002983; BAB33243.1; -.
DR   HAMAP; MF_00340; -; 1.
DR   InterPro; IPR002677; Ribosomal_L32p.
DR   Pfam; PF01783; Ribosomal_L32p; 1.
KW   Ribosomal protein; Chloroplast.
SQ   SEQUENCE   50 AA;  5844 MW;  5589DC533C99ECB6 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 50;
  Best Local Similarity   100.0%;  Pred. No. 97;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
               |||
Db         24 GYW 26


RESULT 7
RK32_ARATH
ID   RK32_ARATH     STANDARD;      PRT;     51 AA.
AC   P42354;
DT   01-NOV-1995 (Rel. 32, Created)
DT   01-NOV-1995 (Rel. 32, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Chloroplast 50S ribosomal protein L32.
GN   RPL32 OR ATCG01020.
OS   Arabidopsis thaliana (Mouse-ear cress), and
OS   Brassica rapa (Turnip).
OG   Chloroplast.
OC   Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC   Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
OC   eurosids II; Brassicales; Brassicaceae; Arabidopsis.
OX   NCBI_TaxID=3702, 51350;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   SPECIES=A.thaliana; STRAIN=cv. Columbia;
RX   MEDLINE=20039611; PubMed=10574454;
RA   Sato S., Nakamura Y., Kaneko T., Asamizu E., Tabata S.;
RT   "Complete structure of the chloroplast genome of Arabidopsis
RT   thaliana.";
RL   DNA Res. 6:283-290(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   SPECIES=B.rapa;
RA   Song S., Shin C., Choi Y.;
RL   Submitted (SEP-1993) to the EMBL/GenBank/DDBJ databases.
CC   -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC   ---------------------------------------------------------------------------
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CC   or send an email to license@isb-sib.ch).
CC   ---------------------------------------------------------------------------
DR   EMBL; AP000423; BAA84435.1; -.
DR   EMBL; Z26332; CAA81233.1; -.
DR   PIR; S37208; S37208.
DR   HAMAP; MF_00340; -; 1.
DR   InterPro; IPR002677; Ribosomal_L32p.
DR   Pfam; PF01783; Ribosomal_L32p; 1.
KW   Ribosomal protein; Chloroplast.
FT   INIT_MET      0      0       BY SIMILARITY.
SQ   SEQUENCE   51 AA;  5930 MW;  0AC447B5EDED00F3 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 51;
  Best Local Similarity   100.0%;  Pred. No. 99;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
               |||
Db         23 GYW 25


RESULT 8
RK32_SPIOL
ID   RK32_SPIOL     STANDARD;      PRT;     56 AA.
AC   P28804; Q9M3J3;
DT   01-DEC-1992 (Rel. 24, Created)
DT   16-OCT-2001 (Rel. 40, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Chloroplast 50S ribosomal protein L32.
GN   RPL32.
OS   Spinacia oleracea (Spinach).
OG   Chloroplast.
OC   Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC   Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
OC   Caryophyllales; Amaranthaceae; Spinacia.
OX   NCBI_TaxID=3562;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=cv. Geant d'hiver, and cv. Monatol;
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RX   MEDLINE=21187424; PubMed=11292076;
RA   Schmitz-Linneweber C., Maier R.M., Alcaraz J.-P., Cottet A.,
RA   Herrmann R.G., Mache R.;
RT   "The plastid chromosome of spinach (Spinacia oleracea): complete
RT   nucleotide sequence and gene organization.";
RL   Plant Mol. Biol. 45:307-315(2001).
RN   [2]
RP   SEQUENCE OF 1-29.
RC   STRAIN=cv. Alwaro;
RX   MEDLINE=93043036; PubMed=1421149;
RA   Schmidt J., Herfurth E., Subramanian A.R.;
RT   "Purification and characterization of seven chloroplast ribosomal
RT   proteins: evidence that organelle ribosomal protein genes are
RT   functional and that NH2-terminal processing occurs via multiple
RT   pathways in chloroplasts.";
RL   Plant Mol. Biol. 20:459-465(1992).
CC   -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC   ----------------------------------------------------------------------
CC   This SWISS-PROT entry is copyright. It is produced through a collaboration
CC   between the Swiss Institute of Bioinformatics and the EMBL outstation -
CC   the European Bioinformatics Institute. There are no restrictions on its
CC   use by non-profit institutions as long as its content is in no way
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CC   or send an email to license@isb-sib.ch).
CC   ----------------------------------------------------------------------
DR   EMBL; AJ400848; CAB88781.1; -.
DR   HAMAP; MF_00340; -; 1.
DR   InterPro; IPR002677; Ribosomal_L32p.
DR   Pfam; PF01783; Ribosomal_L32p; 1.
KW   Ribosomal protein; Chloroplast.
FT   INIT_MET      0      0
FT   CONFLICT     25     25       W -> S (IN REF. 2).
SQ   SEQUENCE   56 AA;  6504 MW;  ACBA68500D9B49D5 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 56;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         23 GYW 25


RESULT 9
IOTA_GONVI
ID   IOTA_GONVI     STANDARD;      PRT;    62 AA.
AC   P82025;
DT   16-OCT-2001 (Rel. 40, Created)
DT   16-OCT-2001 (Rel. 40, Last sequence update)
DT   10-OCT-2003 (Rel. 42, Last annotation update)
DE   Iota-crystallin (Fragment).
GN   CRBPI.
OS   Gonatodes vittatus (Streak lizard).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Lepidosauria; Squamata; Scleroglossa; Gekkota; Gekkonidae; Gonatodes.
OX   NCBI_TaxID=104610;
RN   [1]
RP   SEQUENCE, AND FUNCTION.
RC   TISSUE=Lens;
RX   MEDLINE=20202626; PubMed=10725366;
RA   Werten P.J.L., Roell B., van Aalten D.M.F., de Jong W.W.;
RT   "Gecko iota-crystallin: how cellular retinol-binding protein became an
RT   eye lens ultraviolet filter.";
RL   Proc. Natl. Acad. Sci. U.S.A. 97:3282-3287(2000).
CC   -!- FUNCTION: BINDS VITAMIN A2 IN THE EYE LENS AND THUS FUNCTIONS AS A
CC       UV FILTER. INTRACELLULAR TRANSPORT OF RETINOL.
CC   -!- SIMILARITY: Belongs to the fatty-acid binding protein (FABP)
CC       family.
DR   HSSP; P82980; 1GGL.
DR   InterPro; IPR000463; Fatty_acid_BP.
DR   InterPro; IPR000566; Lipocln_cytFABP.
DR   Pfam; PF00061; lipocalin; 1.
DR   PROSITE; PS00214; FABP; FALSE_NEG.
KW   Vitamin A; Retinol-binding; Transport.
FT   NON_TER      62     62
SQ   SEQUENCE   62 AA;  7359 MW;  2034EF11BA2D0088 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 62;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          6 GYW 8


RESULT 10
YHLB_STAAU
ID   YHLB_STAAU     STANDARD;      PRT;    67 AA.
AC   P21224;
DT   01-MAY-1991 (Rel. 18, Created)
DT   01-MAY-1991 (Rel. 18, Last sequence update)
DT   16-OCT-2001 (Rel. 40, Last annotation update)
DE   Hypothetical protein in hlb 3'region (Fragment).
OS   Staphylococcus aureus.
OC   Bacteria; Firmicutes; Bacillales; Staphylococcus.
OX   NCBI_TaxID=1280;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=COL;
RX   MEDLINE=89263748; PubMed=2726469;
RA   Projan S.J., Kornblum J., Kreiswirth B., Moghazeh S.L., Eisner W.,
RA   Novick R.P.;
RT   "Nucleotide sequence: the beta-hemolysin gene of Staphylococcus
RT   aureus.";
RL   Nucleic Acids Res. 17:3305-3305(1989).
CC   ----------------------------------------------------------------------
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CC   or send an email to license@isb-sib.ch).
CC   ----------------------------------------------------------------------
DR   EMBL; X13404; CAA31770.1; -.
DR   PIR; S15767; S15767.
DR   InterPro; IPR005830; Aer_hem_leuk.
DR   InterPro; IPR001340; Hemlysn_pore.
DR   Pfam; PF01117; Aerolysin; 1.
KW   Hypothetical protein.
FT   NON_TER       1      1
SQ   SEQUENCE   67 AA;  8207 MW;  77B8013E40A76839 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 67;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         27 GYW 29


RESULT 11
ESSD_ECOLI
ID   ESSD_ECOLI     STANDARD;      PRT;    71 AA.
AC   P77242;
DT   01-NOV-1997 (Rel. 35, Created)
DT   01-NOV-1997 (Rel. 35, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Lysis protein S homolog from lambdoid prophage DLP12.
GN   ESSD OR B0554 OR C1561.
OS   Escherichia coli, and
OS   Escherichia coli O6.
OC   Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
```

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OC   Enterobacteriaceae; Escherichia.
OX   NCBI_TaxID=562, 217992;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=K12 / MG1655;
RX   MEDLINE=97426617; PubMed=9278503;
RA   Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,
RA   Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,
RA   Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
RA   Mau B., Shao Y.;
RT   "The complete genome sequence of Escherichia coli K-12.";
RL   Science 277:1453-1474(1997).
RN   [2]
RP   SEQUENCE FROM N.A.
RA   Chung E., Allen E., Araujo R., Aparicio A., Davis K., Duncan M.,
RA   Federspiel N., Hyman R., Kalman S., Komp C., Kurdi O., Lew H., Lin D.,
RA   Namath A., Oefner P., Roberts D., Schramm S., Davis R.W.;
RL   Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=O6:H1 / CFT073 / ATCC 700928;
RX   MEDLINE=22388234; PubMed=12471157;
RA   Welch R.A., Burland V., Plunkett G. III, Redford P., Roesch P.,
RA   Rasko D., Buckles E.L., Liou S.-R., Boutin A., Hackett J., Stroud D.,
RA   Mayhew G.F., Rose D.J., Zhou S., Schwartz D.C., Perna N.T.,
RA   Mobley H.L.T., Donnenberg M.S., Blattner F.R.;
RT   "Extensive mosaic structure revealed by the complete genome sequence
RT   of uropathogenic Escherichia coli.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:17020-17024(2002).
CC   -!- SIMILARITY: BELONGS TO THE LAMBDA PHAGE S PROTEIN FAMILY.
CC   ---------------------------------------------------------------------
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CC   ---------------------------------------------------------------------
DR   EMBL; AE000161; AAC73655.1; -.
DR   EMBL; U82598; AAB40750.1; -.
DR   EMBL; AE016759; AAN80030.1; -.
DR   PIR; H64787; H64787.
DR   EcoGene; EG13634; essD.
DR   InterPro; IPR007054; Lysis_S.
DR   Pfam; PF04971; Lysis_S; 1.
KW   Hypothetical protein; Phage lysis protein; Complete proteome.
SQ   SEQUENCE   71 AA;  7778 MW;  9C013E2FE4361843 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         21 GYW 23


RESULT 12
VLYS_BPP21
ID   VLYS_BPP21     STANDARD;      PRT;    71 AA.
AC   P27360;
DT   01-AUG-1992 (Rel. 23, Created)
DT   01-AUG-1992 (Rel. 23, Last sequence update)
DT   01-JUN-1994 (Rel. 29, Last annotation update)
DE   Lysis protein S.
GN   S.
OS   Bacteriophage P21 (Bacteriophage 21).
OC   Viruses; dsDNA viruses, no RNA stage; Caudovirales; Siphoviridae;
OC   Lambda-like viruses.
OX   NCBI_TaxID=10711;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=91210180; PubMed=2019562;
RA   Bonovich M.T., Young R.;
RT   "Dual start motif in two lambdoid S genes unrelated to lambda S.";
RL   J. Bacteriol. 173:2897-2905(1991).
CC   ---------------------------------------------------------------------
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CC   ---------------------------------------------------------------------
DR   EMBL; M65239; AAA32349.1; -.
DR   InterPro; IPR007054; Lysis_S.
DR   Pfam; PF04971; Lysis_S; 1.
KW   Phage lysis protein.
SQ   SEQUENCE   71 AA;  7893 MW;  8690A8F25234A3E2 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 71;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         21 GYW 23


RESULT 13
Y738_SYNY3
ID   Y738_SYNY3     STANDARD;      PRT;    72 AA.
AC   P74794;
DT   16-OCT-2001 (Rel. 40, Created)
DT   16-OCT-2001 (Rel. 40, Last sequence update)
DT   28-FEB-2003 (Rel. 41, Last annotation update)
DE   Hypothetical protein ssl0738.
GN   SSL0738.
OS   Synechocystis sp. (strain PCC 6803).
OC   Bacteria; Cyanobacteria; Chroococcales; Synechocystis.
OX   NCBI_TaxID=1148;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=96127529; PubMed=8590279;
RA   Kaneko T., Tanaka A., Sato S., Kotani H., Sazuka T., Miyajima N.,
RA   Sugiura M., Tabata S.;
RT   "Sequence analysis of the genome of the unicellular cyanobacterium
RT   Synechocystis sp. strain PCC6803. I. Sequence features in the 1 Mb
RT   region from map positions 64% to 92% of the genome.";
RL   DNA Res. 2:153-166(1995).
RN   [2]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=97061201; PubMed=8905231;
RA   Kaneko T., Sato S., Kotani H., Tanaka A., Asamizu E., Nakamura Y.,
RA   Miyajima N., Hirosawa M., Sugiura M., Sasamoto S., Kimura T.,
RA   Hosouchi T., Matsuno A., Muraki A., Nakazaki N., Naruo K., Okumura S.,
RA   Shimpo S., Takeuchi C., Wada T., Watanabe A., Yamada M., Yasuda M.,
RA   Tabata S.;
RT   "Sequence analysis of the genome of the unicellular cyanobacterium
RT   Synechocystis sp. strain PCC6803. II. Sequence determination of the
RT   entire genome and assignment of potential protein-coding regions.";
RL   DNA Res. 3:109-136(1996).
CC   -!- SIMILARITY: BELONGS TO THE UPF0150 FAMILY.
CC   ---------------------------------------------------------------------
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CC   ---------------------------------------------------------------------
DR   EMBL; D64002; BAA10401.1; -.
DR   PIR; S76555; S76555.
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DR   InterPro; IPR005357; UPF0150.
DR   Pfam; PF03681; UPF0150; 1.
KW   Hypothetical protein; Complete proteome.
SQ   SEQUENCE   72 AA;  7719 MW;  388310F96C0BE629 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 72;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         16 GYW 18


RESULT 14
YVDI_VACCC
ID   YVDI_VACCC     STANDARD;      PRT;    74 AA.
AC   P20553;
DT   01-FEB-1991 (Rel. 17, Created)
DT   01-FEB-1991 (Rel. 17, Last sequence update)
DT   16-OCT-2001 (Rel. 40, Last annotation update)
DE   Hypothetical 9.5 kDa protein.
GN   D ORF I.
OS   Vaccinia virus (strain Copenhagen).
OC   Viruses; dsDNA viruses, no RNA stage; Poxviridae; Chordopoxvirinae;
OC   Orthopoxvirus.
OX   NCBI_TaxID=10249;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=91021027; PubMed=2219722;
RA   Goebel S.J., Johnson G.P., Perkus M.E., Davis S.W., Winslow J.P.,
RA   Paoletti E.;
RT   "The complete DNA sequence of vaccinia virus.";
RL   Virology 179:247-266(1990).
RN   [2]
RP   COMPLETE GENOME.
RA   Goebel S.J., Johnson G.P., Perkus M.E., Davis S.W., Winslow J.P.,
RA   Paoletti E.;
RT   "Appendix to 'The complete DNA sequence of vaccinia virus'.";
RL   Virology 179:517-563(1990).
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CC   ---------------------------------------------------------------------
DR   EMBL; M35027; AAA48115.1; -.
DR   PIR; B42517; B42517.
KW   Hypothetical protein.
SQ   SEQUENCE   74 AA;  9485 MW;  0EA1DC187A16BE10 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 74;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         63 GYW 65


RESULT 15
UL43_HSVE4
ID   UL43_HSVE4     STANDARD;      PRT;    76 AA.
AC   P22597;
DT   01-AUG-1991 (Rel. 19, Created)
DT   01-AUG-1991 (Rel. 19, Last sequence update)
DT   01-APR-1993 (Rel. 25, Last annotation update)
DE   Membrane protein UL43 homolog (ORF1) (Fragment).
OS   Equine herpesvirus type 4 (strain 1942) (EHV-4) (Equine herpesvirus
OS   type 1 subtype 2).
OC   Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
OC   Alphaherpesvirinae; Varicellovirus.
OX   NCBI_TaxID=10333;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=91021040; PubMed=2171212;
RA   Nicolson L., Onions D.E.;
RT   "The nucleotide sequence of the equine herpesvirus 4 gC gene
RT   homologue.";
RL   Virology 179:378-387(1990).
CC   -!- SUBCELLULAR LOCATION: Membrane-associated or transmembrane protein
CC       (Potential).
CC   -!- SIMILARITY: BELONGS TO FAMILY THAT GROUPS TOGETHER HSV-1 UL43,
CC       EHV-1 17, AND VZV 15.
CC   ---------------------------------------------------------------------
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CC   ---------------------------------------------------------------------
DR   EMBL; M58031; AAA46082.1; -.
DR   PIR; A45343; A45343.
DR   InterPro; IPR007764; Herpes_UL43.
DR   Pfam; PF05072; Herpes_UL43; 1.
KW   Membrane.
FT   NON_TER       1      1
SQ   SEQUENCE   76 AA;  7942 MW;  5C90E87678F8E049 CRC64;

  Query Match             61.5%;  Score 24;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db         16 GYW 18


Search completed: May  7, 2004, 06:28:34
Job time : 8.68 secs
```

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 32.32 Seconds
(without alignments)
78.099 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYWXXXWX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 1017041 seqs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SPTREMBL_25:*
1: sp_archea:*
2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate:*
6: sp_mammal:*
7: sp_mhc:*
8: sp_organelle:*
9: sp_phage:*
10: sp_plant:*
11: sp_rodent:*
12: sp_virus:*
13: sp_vertebrate:*
14: sp_unclassified:*
15: sp_rvirus:*
16: sp_bacteriap:*
17: sp_archeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	26	66.7	30	11	Q9QV06	Q9qv06 rattus sp.
2	25	64.1	170	4	O95107	O95107 homo sapien
3	25	64.1	707	10	Q9SC08	Q9sc08 tropaeolum
4	24	61.5	13	4	Q16406	Q16406 homo sapien
5	24	61.5	15	11	Q9QUT7	Q9qut7 mus sp. glu
6	24	61.5	15	11	Q8K1P5	Q8k1p5 sciurus vul
7	24	61.5	15	11	Q9QW89	Q9qw89 rattus sp.
8	24	61.5	17	6	Q8MI99	Q8mi99 talpa europ
9	24	61.5	20	6	Q9TRH8	Q9trh8 oryctolagus
10	24	61.5	20	6	Q9TQQ8	Q9tqq8 oryctolagus
11	24	61.5	20	11	Q9QUY9	Q9quy9 rattus sp.
12	24	61.5	20	11	Q9QUL9	Q9qul9 rattus sp.
13	24	61.5	20	11	Q9QUL8	Q9qul8 rattus sp.
14	24	61.5	24	11	Q9QV91	Q9qv91 mus sp. glu
15	24	61.5	24	11	Q9QVI9	Q9qvi9 rattus sp.
16	24	61.5	28	6	Q9TRV2	Q9trv2 canis famil
17	24	61.5	28	9	Q9T174	Q9t174 bacteriopha
18	24	61.5	30	16	Q7UDB7	Q7udb7 shigella fl
19	24	61.5	32	11	Q9QVL6	Q9qvl6 mus sp. glu
20	24	61.5	32	11	Q9QVL9	Q9qvl9 mus sp. glu
21	24	61.5	33	16	Q9KFG9	Q9kfg9 bacillus ha
22	24	61.5	35	8	Q9T2V3	Q9t2v3 crithidia f
23	24	61.5	35	11	Q9QVL5	Q9qvl5 mus sp. glu
24	24	61.5	35	16	Q8EC40	Q8ec40 shewanella
25	24	61.5	38	16	Q7UK13	Q7uk13 rhodopirell
26	24	61.5	39	17	Q8U251	Q8u251 pyrococcus
27	24	61.5	41	9	Q7Y4W1	Q7y4w1 bacteriopha
28	24	61.5	41	10	Q7XSW9	Q7xsw9 oryza sativ
29	24	61.5	41	11	Q9QVL7	Q9qvl7 mus sp. glu
30	24	61.5	43	2	Q9X3B6	Q9x3e6 prochloroco
31	24	61.5	43	15	Q90UK5	Q90uk5 porcine end
32	24	61.5	43	15	Q90UK9	Q90uk9 porcine end
33	24	61.5	43	15	Q90UK7	Q90uk7 porcine end
34	24	61.5	43	15	Q90UK4	Q90uk4 porcine end
35	24	61.5	43	15	Q90UK8	Q90uk8 porcine end
36	24	61.5	43	17	Q8PTJ1	Q8ptj1 methanosarc
37	24	61.5	45	2	Q9FCW7	Q9fcw7 escherichia
38	24	61.5	45	16	Q8KB49	Q8kb49 chlorobium
39	24	61.5	46	16	Q8VJ81	Q8vj81 mycobacteri
40	24	61.5	46	16	Q7VJM5	Q7vjm5 helicobacte
41	24	61.5	48	2	Q9ETK1	Q9etk1 escherichia
42	24	61.5	48	2	Q9EVP8	Q9evp8 escherichia
43	24	61.5	48	16	Q8EP15	Q8ep15 oceanobacil
44	24	61.5	49	2	Q9EVP1	Q9evp1 escherichia
45	24	61.5	49	4	Q9H1U2	Q9h1u2 homo sapien

ALIGNMENTS

RESULT 1
Q9QV06
ID Q9QV06 PRELIMINARY; PRT; 30 AA.
AC Q9QV06;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Glutathione S-transferase (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=95318156; PubMed=7797568;
RA Aravinda S., Gopalakrishnan B., Dey C.S., Totey S.M., Pawshe C.H.,
RA Salunke D., Kaur K., Shaha C.;
RT "A testicular protein important for fertility has glutathione S-
RT transferase activity and is localized extracellularly in the
RT seminiferous tubules.";
RL J. Biol. Chem. 270:15675-15685(1995).
DR HSSP; P09488; 1GTU.
DR InterPro; IPR004045; GST_Nterm.
DR Pfam; PF02798; GST_N; 1.
SQ SEQUENCE 30 AA; 3543 MW; 37E3E9EED32BC7C2 CRC64;

Query Match 66.7%; Score 26; DB 11; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYWXX 5
|||||
Db 5 GYWXX 9

RESULT 2
O95107
ID O95107 PRELIMINARY; PRT; 170 AA.
AC O95107;

```
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   GOR antigen (Fragment).
GN   GOR.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   DeBella L.R., Schertzer M., Wood S.;
RT   "Identification of a novel human gene (GOR) localized to 8q13-8q22.";
RL   Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AF023669; AAC98149.1; -.
DR   GO; GO:0005622; C:intracellular; IEA.
DR   GO; GO:0004527; F:exonuclease activity; IEA.
DR   InterPro; IPR006055; Exonuclease.
DR   Pfam; PF00929; Exonuclease; 1.
FT   NON_TER       1      1
FT   NON_TER     170    170
SQ   SEQUENCE   170 AA;  19433 MW;  079DE87451B22A1B CRC64;

  Query Match             64.1%;  Score 25;  DB 4;  Length 170;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches    5;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 WXXXW 7
              |||||
Db         25 WXXXW 29


RESULT 3
Q9SC08
ID   Q9SC08      PRELIMINARY;      PRT;   707 AA.
AC   Q9SC08;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   NADH dehydrogenase subunit F (Fragment).
GN   NDHF.
OS   Tropaeolum majus (Common nasturtium).
OC   Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC   Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
OC   eurosids II; Brassicales; Tropaeolaceae; Tropaeolum.
OX   NCBI_TaxID=4020;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Albach D.C., Soltis P.S., Soltis D.E., Olmstead G.;
RT   "Phylogeny of the Asteridae s.l. based on sequences from four
RT   different genes.";
RL   Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AJ236281; CAB65471.1; -.
DR   GO; GO:0009507; C:chloroplast; IEA.
DR   GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
DR   GO; GO:0016491; F:oxidoreductase activity; IEA.
DR   GO; GO:0006120; P:mitochondrial electron transport, NADH to u. . .; IEA.
DR   InterPro; IPR003916; NADHub_oxred5.
DR   InterPro; IPR001750; Oxidored_q1.
DR   InterPro; IPR002128; Oxidored_q1_C.
DR   InterPro; IPR001516; Oxidored_q1_N.
DR   Pfam; PF00361; oxidored_q1; 1.
DR   Pfam; PF01010; oxidored_q1_C; 1.
DR   Pfam; PF00662; oxidored_q1_N; 1.
DR   PRINTS; PR01434; NADHDHGNASE5.
KW   NAD; Oxidoreductase.
FT   NON_TER       1      1
FT   NON_TER     707    707
SQ   SEQUENCE   707 AA;  79325 MW;  7373A5FDCE8A177D CRC64;

  Query Match             64.1%;  Score 25;  DB 10;  Length 707;
  Best Local Similarity   100.0%;  Pred. No. 7.4e+03;
  Matches    4;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWX 4
              ||||
Db        120 GYWX 123


RESULT 4
Q16406
ID   Q16406      PRELIMINARY;      PRT;    13 AA.
AC   Q16406;
DT   01-NOV-1996 (TrEMBLrel. 01, Created)
DT   01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT   01-MAY-1999 (TrEMBLrel. 10, Last annotation update)
DE   GHRH-R protein (Fragment).
GN   GHRH-R.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=96001284; PubMed=7559877;
RA   Hashimoto K., Koga M., Motomura T., Kasayama S., Kouhara H.,
RA   Ohnishi T., Arita N., Hayakawa T., Sato B., Kishimoto T.;
RT   "Identification of alternatively spliced messenger ribonucleic acid
RT   encoding truncated growth hormone-releasing hormone receptor in human
RT   pituitary adenomas.";
RL   J. Clin. Endocrinol. Metab. 80:2933-2939(1995).
DR   EMBL; S79912; AAD14318.1; -.
FT   NON_TER       1      1
SQ   SEQUENCE   13 AA;  1612 MW;  CE19D7D255D66362 CRC64;

  Query Match             61.5%;  Score 24;  DB 4;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          8 GYW 10


RESULT 5
Q9QUT7
ID   Q9QUT7      PRELIMINARY;      PRT;    15 AA.
AC   Q9QUT7;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-OCT-2000 (TrEMBLrel. 15, Last annotation update)
DE   Glutathione S-transferase (Fragment).
OS   Mus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10095;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=92329477; PubMed=1627586;
RA   Singhal S.S., Saxena M., Ahmad H., Awasthi Y.C.;
RT   "Glutathione S-transferase of mouse liver: sex-related differences in
RT   the expression of various isozymes.";
RL   Biochim. Biophys. Acta 1117:105-105(1992).
DR   HSSP; P04905; 2GST.
SQ   SEQUENCE   15 AA;  1754 MW;  02E4DB620E166ED4 CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 6
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Q8K1P5
ID   Q8K1P5      PRELIMINARY;      PRT;    15 AA.
AC   Q8K1P5;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
DE   Prion protein (Fragment).
GN   PRMP.
OS   Sciurus vulgaris (Red squirrel).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Sciuridae; Sciurinae;
OC   Sciurus.
OX   NCBI_TaxID=55149;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Poux C., van Rheede T., Madsen O., de Jong W.W.;
RT   "Sequence gaps join mices and men.";
RL   Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AJ438202; CAD27287.1; -.
FT   NON_TER      15     15
SQ   SEQUENCE   15 AA;  1723 MW;  5E28E8178B86161E CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 7
Q9QW89
ID   Q9QW89      PRELIMINARY;      PRT;    15 AA.
AC   Q9QW89;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   Glutathione S-transferase subunit D (EC 2.5.1.18) (Fragment).
OS   Rattus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX   NCBI_TaxID=10118;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=96036981; PubMed=7485987;
RA   Rouimi P., Debrauwer L., Tulliez J.;
RT   "Electrospray ionization-mass spectrometry as a tool for
RT   characterization of glutathione S-transferase isozymes.";
RL   Anal. Biochem. 229:304-312(1995).
DR   GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ   SEQUENCE   15 AA;  1701 MW;  9A54C712143F7C4A CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 8
Q8MI99
ID   Q8MI99      PRELIMINARY;      PRT;    17 AA.
AC   Q8MI99;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
DE   Prion protein (Fragment).
GN   PRMP.
OS   Talpa europaea (European mole).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Insectivora; Talpidae; Talpa.
OX   NCBI_TaxID=9375;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Poux C., van Rheede T., Madsen O., de Jong W.W.;
RT   "Sequence gaps join mices and men.";
RL   Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AJ438198; CAD27283.1; -.
FT   NON_TER      17     17
SQ   SEQUENCE   17 AA;  1995 MW;  05B9D808B11C40C3 CRC64;

  Query Match             61.5%;  Score 24;  DB 6;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          7 GYW 9


RESULT 9
Q9TRH8
ID   Q9TRH8      PRELIMINARY;      PRT;    20 AA.
AC   Q9TRH8;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-OCT-2000 (TrEMBLrel. 15, Last annotation update)
DE   Glutathione S-transferase class MU PI7.8 isozyme (Fragment).
OS   Oryctolagus cuniculus (Rabbit).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.
OX   NCBI_TaxID=9986;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=93213177; PubMed=8460949;
RA   Primiano T., Novak R.F.;
RT   "Purification and characterization of class mu glutathione S-
RT   transferase isozymes from rabbit hepatic tissue.";
RL   Arch. Biochem. Biophys. 301:404-410(1993).
DR   HSSP; P04905; 6GSU.
SQ   SEQUENCE   20 AA;  2316 MW;  7F5AC2468150E207 CRC64;

  Query Match             61.5%;  Score 24;  DB 6;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 10
Q9TQQ8
ID   Q9TQQ8      PRELIMINARY;      PRT;    20 AA.
AC   Q9TQQ8;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   Class MU glutathione S-transferase isozyme R11, class MU GST-RL1
DE   (Fragment).
OS   Oryctolagus cuniculus (Rabbit).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.
OX   NCBI_TaxID=9986;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=93306986; PubMed=8319492;
RA   Nishinaka T., Yasunari C., Abe A., Nanjo H., Terada T., Nishihara T.,
RA   Mizoguchi T.;
RT   "Comparison of purified lens glutathione S-transferase isozymes from
RT   rabbit with other species.";
RL   Curr. Eye Res. 12:333-340(1993).
RN   [2]
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RP   SEQUENCE.
RX   MEDLINE=93213177; PubMed=8460949;
RA   Primiano T., Novak R.F.;
RT   "Purification and characterization of class mu glutathione S-
RT   transferase isozymes from rabbit hepatic tissue.";
RL   Arch. Biochem. Biophys. 301:404-410(1993).
DR   PIR; S30381; S30381.
DR   HSSP; P28161; 1HNA.
SQ   SEQUENCE   20 AA;  2330 MW;  7F5AC25E2250E207 CRC64;

  Query Match             61.5%;  Score 24;  DB 6;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 11
Q9QUY9
ID   Q9QUY9      PRELIMINARY;      PRT;    20 AA.
AC   Q9QUY9;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   MU class glutathione S-transferase subunit 3 (EC 2.5.1.18) (Fragment).
OS   Rattus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX   NCBI_TaxID=10118;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=96036981; PubMed=7485987;
RA   Rouimi P., Debrauwer L., Tulliez J.;
RT   "Electrospray ionization-mass spectrometry as a tool for
RT   characterization of glutathione S-transferase isozymes.";
RL   Anal. Biochem. 229:304-312(1995).
DR   HSSP; P04905; 2GST.
DR   GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ   SEQUENCE   20 AA;  2363 MW;  3E4F19C689F2E4DB CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 12
Q9QUL9
ID   Q9QUL9      PRELIMINARY;      PRT;    20 AA.
AC   Q9QUL9;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   MU class glutathione S-transferase subunit 4 (EC 2.5.1.18) (Fragment).
OS   Rattus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX   NCBI_TaxID=10118;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=96036981; PubMed=7485987;
RA   Rouimi P., Debrauwer L., Tulliez J.;
RT   "Electrospray ionization-mass spectrometry as a tool for
RT   characterization of glutathione S-transferase isozymes.";
RL   Anal. Biochem. 229:304-312(1995).
RN   [2]
RP   SEQUENCE.
RX   MEDLINE=95318156; PubMed=7797568;
RA   Aravinda S., Gopalakrishnan B., Dey C.S., Totey S.M., Pawshe C.H.,
RA   Salunke D., Kaur K., Shaha C.;
RT   "A testicular protein important for fertility has glutathione S-
RT   transferase activity and is localized extracellularly in the
RT   seminiferous tubules.";
RL   J. Biol. Chem. 270:15675-15685(1995).
DR   HSSP; Q03013; 4GTU.
DR   GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ   SEQUENCE   20 AA;  2344 MW;  7F5423EE224A54C7 CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 13
Q9QUL8
ID   Q9QUL8      PRELIMINARY;      PRT;    20 AA.
AC   Q9QUL8;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   MU class glutathione S-transferase subunit 6 (EC 2.5.1.18) (Fragment).
OS   Rattus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX   NCBI_TaxID=10118;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=96036981; PubMed=7485987;
RA   Rouimi P., Debrauwer L., Tulliez J.;
RT   "Electrospray ionization-mass spectrometry as a tool for
RT   characterization of glutathione S-transferase isozymes.";
RL   Anal. Biochem. 229:304-312(1995).
DR   HSSP; Q03013; 4GTU.
DR   GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ   SEQUENCE   20 AA;  2310 MW;  7F5AC3EE224A54C7 CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 14
Q9QV91
ID   Q9QV91      PRELIMINARY;      PRT;    24 AA.
AC   Q9QV91;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE   Glutathione S-transferase U2 subunit (EC 2.5.1.18) (Fragment).
OS   Mus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10095;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=93183007; PubMed=8442656;
RA   Awasthi S., Singhal S.S., Srivastava S.K., Awasthi Y.C.;
RT   "Purification and characterization of glutathione S-transferase of
RT   murine ovary and testis.";
RL   Arch. Biochem. Biophys. 301:143-150(1993).
DR   HSSP; Q03013; 4GTU.
DR   GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ   SEQUENCE   24 AA;  2818 MW;  5FB32A2B1F5AC3EE CRC64;
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  Query Match             61.5%;  Score 24;  DB 11;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 4.1e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


RESULT 15
Q9QVI9
ID   Q9QVI9      PRELIMINARY;      PRT;    24 AA.
AC   Q9QVI9;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE   Glutathione S-transferase, GST (Fragment).
OS   Rattus sp.
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX   NCBI_TaxID=10118;
RN   [1]
RP   SEQUENCE.
RX   MEDLINE=92002147; PubMed=1911852;
RA   Singhal S.S., Gupta S., Saxena M., Sharma R., Ahmad H., Ansari G.A.,
RA   Awasthi Y.C.;
RT   "Purification and characterization of glutathione S-transferases from
RT   rat pancreas.";
RL   Biochim. Biophys. Acta 1079:285-292(1991).
FT   NON_TER       1      1
FT   NON_TER      24     24
SQ   SEQUENCE   24 AA;  2768 MW;  74BA539FB7B648CC CRC64;

  Query Match             61.5%;  Score 24;  DB 11;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 4.1e+02;
  Matches    3;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYW 3
              |||
Db          5 GYW 7


Search completed: May  7, 2004, 06:24:35
Job time : 32.32 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 45.76 Seconds
(without alignments)
49.396 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYWXXXWX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	39	100.0	8	5	ABP53965	Abp53965 VEGFR-3 b
2	39	100.0	10	5	ABP53968	Abp53968 VEGFR-3 b
3	38	97.4	7	5	ABP53964	Abp53964 VEGFR-3 b
4	27	69.2	11	5	AAM52823	Aam52823 CCR5-rela
5	26	66.7	6	4	AAU06214	Aau06214 Anti-HIV
6	26	66.7	7	4	AAU06213	Aau06213 Anti-HIV
7	26	66.7	7	4	AAB68847	Aab68847 Retroviru
8	26	66.7	8	4	AAU06208	Aau06208 Anti-HIV
9	26	66.7	8	4	AAB68843	Aab68843 Retroviru
10	26	66.7	46	6	ABU57814	Abu57814 HIV envel
11	26	66.7	46	6	ABU57816	Abu57816 HIV envel
12	26	66.7	46	6	ABU57818	Abu57818 HIV envel
13	26	66.7	46	6	ABU57810	Abu57810 HIV envel
14	26	66.7	46	6	ABU57811	Abu57811 HIV envel
15	26	66.7	46	6	ABU57807	Abu57807 HIV envel
16	26	66.7	46	6	ABU57806	Abu57806 HIV envel
17	26	66.7	46	6	ABU57815	Abu57815 HIV envel
18	26	66.7	46	6	ABU57808	Abu57808 HIV envel
19	26	66.7	46	6	ABU57809	Abu57809 HIV envel
20	26	66.7	46	6	ABU57812	Abu57812 HIV envel
21	26	66.7	46	6	ABU57813	Abu57813 HIV envel
22	26	66.7	46	6	ABU57817	Abu57817 HIV envel
23	26	66.7	160	4	AAU64744	Aau64744 Propionib
24	26	66.7	160	6	ABM61263	Abm61263 Propionib
25	25	64.1	5	4	AAU06215	Aau06215 Anti-HIV
26	25	64.1	5	4	AAB68848	Aab68848 Retroviru
27	25	64.1	6	4	AAU06226	Aau06226 Anti-HIV
28	25	64.1	6	4	AAB68853	Aab68853 Retroviru
29	25	64.1	6	4	AAB68859	Aab68859 Retroviru
30	25	64.1	7	4	AAU06225	Aau06225 Anti-HIV
31	25	64.1	7	4	AAB68858	Aab68858 Retroviru
32	25	64.1	7	5	ABB98077	Abb98077 Fc effect
33	25	64.1	8	4	AAU06220	Aau06220 Anti-HIV
34	25	64.1	11	3	AAB39334	Aab39334 Human sec
35	25	64.1	16	5	ABP48113	Abp48113 Growth ho
36	25	64.1	29	3	AAB53861	Aab53861 Human col
37	25	64.1	90	2	AAW77502	Aaw77502 Staphyloc
38	25	64.1	130	4	AAG76477	Aag76477 Human col
39	25	64.1	229	3	AAB58846	Aab58846 Breast an
40	25	64.1	236	5	ABP43147	Abp43147 Human ova
41	25	64.1	476	2	AAR05599	Aar05599 BIV gag g
42	25	64.1	791	6	ABU18683	Abu18683 Protein e
43	24	61.5	5	2	AAR76079	Aar76079 MAb 55.1
44	24	61.5	5	3	AAY32257	Aay32257 Light cha
45	24	61.5	6	2	AAR80643	Aar80643 Receptor

ALIGNMENTS

RESULT 1
ABP53965
ID ABP53965 standard; peptide; 8 AA.
XX
AC ABP53965;
XX
DT 09-JAN-2003 (first entry)
XX
DE VEGFR-3 binding peptide SEQ ID NO:68.
XX
KW Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW vulnerary; cell surface receptor; cancer; neovascularisation;
KW liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW diabetes; PDGF; platelet derived growth factor.
XX
OS Homo sapiens.
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 4. .6
FT /note= "X is any amino acid"
FT Misc-difference 8
FT /note= "any amino acid"
XX
PN WO200257299-A2.
XX
PD 25-JUL-2002.
XX
PF 16-JAN-2002; 2002WO-IB000099.
XX
PR 17-JAN-2001; 2001US-0262476P.
XX
PA (LUDW-) LUDWIG INST CANCER RES.
PA (LICN) LICENTIA LTD.
XX
PI Alitalo K, Koivunen E, Kubo H;
XX
DR WPI; 2002-691521/74.
XX
PT New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT such as cancer and diseases of neovascularization.
XX
PS Claim 22; Page 81; 149pp; English.
XX
CC The present invention describes an isolated peptide (I) that binds to and

```
CC   inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC   have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC   antidiabetic and vulnerary activities, and can be used in gene therapy.
CC   Compositions and methods from the present invention are useful for
CC   diagnosing, evaluating and treating disorders mediated by the activity of
CC   the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC   liver, spleen, kidney, lymph node, small intestine, blood cells,
CC   pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC   skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC   neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC   chronic hepatitis, haemangiomas and diabetes. The present sequence
CC   represents a specifically claimed VEGFR-3 binding peptide from the
CC   present invention
XX
SQ   Sequence 8 AA;

  Query Match             100.0%;  Score 39;  DB 5;  Length 8;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+06;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWXXXWX 8
              ||||||||
Db          1 GYWXXXWX 8


RESULT 2
ABP53968
ID   ABP53968 standard; peptide; 10 AA.
XX
AC   ABP53968;
XX
DT   09-JAN-2003  (first entry)
XX
DE   VEGFR-3 binding peptide SEQ ID NO:73.
XX
KW   Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW   angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW   cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW   vulnerary; cell surface receptor; cancer; neovascularisation;
KW   liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW   diabetes; PDGF; platelet derived growth factor.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 5. .7
FT                   /note= "X is any amino acid"
FT   Misc-difference 9
FT                   /note= "X is any amino acid"
XX
PN   WO200257299-A2.
XX
PD   25-JUL-2002.
XX
PF   16-JAN-2002; 2002WO-IB000099.
XX
PR   17-JAN-2001; 2001US-0262476P.
XX
PA   (LUDW-) LUDWIG INST CANCER RES.
PA   (LICN ) LICENTIA LTD.
XX
PI   Alitalo K,  Koivunen E,  Kubo H;
XX
DR   WPI; 2002-691521/74.
XX
PT   New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT   diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT   such as cancer and diseases of neovascularization.
XX
PS   Disclosure; Page 147; 149pp; English.
XX
CC   The present invention describes an isolated peptide (I) that binds to and
CC   inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC   have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC   antidiabetic and vulnerary activities, and can be used in gene therapy.
CC   Compositions and methods from the present invention are useful for
CC   diagnosing, evaluating and treating disorders mediated by the activity of
CC   the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC   liver, spleen, kidney, lymph node, small intestine, blood cells,
CC   pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC   skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC   neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC   chronic hepatitis, haemangiomas and diabetes. The present sequence
CC   represents a VEGFR-3 binding peptide, which is given in the
CC   exemplification of the present invention
XX
SQ   Sequence 10 AA;

  Query Match             100.0%;  Score 39;  DB 5;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.34;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWXXXWX 8
              ||||||||
Db          2 GYWXXXWX 9


RESULT 3
ABP53964
ID   ABP53964 standard; peptide; 7 AA.
XX
AC   ABP53964;
XX
DT   09-JAN-2003  (first entry)
XX
DE   VEGFR-3 binding peptide SEQ ID NO:67.
XX
KW   Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW   angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW   cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW   vulnerary; cell surface receptor; cancer; neovascularisation;
KW   liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW   diabetes; PDGF; platelet derived growth factor.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 4. .6
FT                   /note= "X is any amino acid"
XX
PN   WO200257299-A2.
XX
PD   25-JUL-2002.
XX
PF   16-JAN-2002; 2002WO-IB000099.
XX
PR   17-JAN-2001; 2001US-0262476P.
XX
PA   (LUDW-) LUDWIG INST CANCER RES.
PA   (LICN ) LICENTIA LTD.
XX
PI   Alitalo K,  Koivunen E,  Kubo H;
XX
DR   WPI; 2002-691521/74.
XX
PT   New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT   diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT   such as cancer and diseases of neovascularization.
XX
PS   Claim 21; Page 81; 149pp; English.
XX
CC   The present invention describes an isolated peptide (I) that binds to and
CC   inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC   have cytostatic, hepatotropic, antiinflammatory, hypotensive,
```

```
CC   antidiabetic and vulnerary activities, and can be used in gene therapy.
CC   Compositions and methods from the present invention are useful for
CC   diagnosing, evaluating and treating disorders mediated by the activity of
CC   the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC   liver, spleen, kidney, lymph node, small intestine, blood cells,
CC   pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC   skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC   neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC   chronic hepatitis, haemangiomas and diabetes. The present sequence
CC   represents a specifically claimed VEGFR-3 binding peptide from the
CC   present invention
XX
SQ   Sequence 7 AA;

  Query Match             97.4%;  Score 38;  DB 5;  Length 7;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+06;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWXXXW 7
              |||||||
Db          1 GYWXXXW 7


RESULT 4
AAM52823
ID   AAM52823 standard; peptide; 11 AA.
XX
AC   AAM52823;
XX
DT   22-FEB-2002  (first entry)
XX
DE   CCR5-related peptide library CPI-10042.
XX
KW   CCR5; CC chemokine receptor 5; human; HIV infection;
KW   human immunodeficiency virus; AIDS; acquired immunodeficiency syndrome;
KW   drug screening; identification; peptide library.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 1
FT                   /note= "Any amino acid"
FT   Misc-difference 2
FT                   /note= "Any amino acid"
FT   Misc-difference 3
FT                   /note= "Any amino acid"
FT   Misc-difference 9
FT                   /note= "Any amino acid"
FT   Misc-difference 10
FT                   /note= "Any amino acid"
FT   Misc-difference 11
FT                   /note= "Any amino acid; C-terminal amide"
XX
PN   WO200171346-A2.
XX
PD   27-SEP-2001.
XX
PF   21-MAR-2001; 2001WO-US009155.
XX
PR   21-MAR-2000; 2000US-0190946P.
PR   21-MAR-2000; 2000US-0190996P.
PR   21-MAR-2000; 2000US-0191299P.
PR   20-MAR-2001; 2001US-00813448.
PR   20-MAR-2001; 2001US-00813651.
PR   20-MAR-2001; 2001US-00813653.
XX
PA   (CONS-) CONSENSUS PHARM INC.
XX
PI   Nestor JJ,  Wilson CJ,  See RH,  Tan Hehir CA;
XX
DR   WPI; 2002-010610/01.
XX
PT   Identifying CC chemokine receptor 5 binding compound for treating AIDS,
PT   comprises binding a molecule from library to a molecule having binding
PT   property corresponding to CCR5 and identifying bound molecule.
XX
PS   Example 3; Page 27; 50pp; English.
XX
CC   The invention relates to a method for identifying a binding compound for
CC   CC chemokine receptor 5 (CCR5). The method involves screening a library
CC   of test molecules (particularly peptides) with immobilised CCR5, and then
CC   identifying those molecules which bind. The invention also relates to
CC   CCR5-binding molecules identified using the method of the invention,
CC   methods for identifying consensus motifs for CCR5-binding peptides, a
CC   transfer vector encoding tagged CCR5, a computer-aided methods for
CC   determining the relative binding affinity of a test molecule to CCR5 and
CC   a computer aided drug screening assay that utilises the three-dimensional
CC   structure of CCR5. Compounds identified using the methods of the
CC   invention are useful for treating or preventing HIV (human
CC   immunodeficiency virus) infection or AIDS (acquired immunodeficiency
CC   syndrome) in a patient. The methods of the invention may also be used to
CC   identify agonists or antagonists of the interaction of CCR5 with its
CC   natural ligand, and to determine a binding motif for CCR5. Sequences
CC   AAM52819-AAM52825 represent peptide libraries used in an exemplification
CC   of the invention
XX
SQ   Sequence 11 AA;

  Query Match             69.2%;  Score 27;  DB 5;  Length 11;
  Best Local Similarity   100.0%;  Pred. No. 79;
  Matches    6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GYWXXX 6
              ||||||
Db          6 GYWXXX 11


RESULT 5
AAU06214
ID   AAU06214 standard; peptide; 6 AA.
XX
AC   AAU06214;
XX
DT   24-OCT-2001  (first entry)
XX
DE   Anti-HIV enhancer peptide, generic peptide #12.
XX
KW   Hiv infection; simian immunodeficiency virus; T20; T1249; AIDS;
KW   Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
KW   Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
KW   hydrogel; enhancer peptide.
XX
OS   Synthetic.
XX
FH   Key             Location/Qualifiers
FT   Misc-difference 2. .4
FT                   /label= OTHER
FT                   /note= "Other= any amino acid"
FT   Misc-difference 6
FT                   /label= OTHER
FT                   /note= "Other= any amino acid"
XX
PN   WO200137896-A2.
XX
PD   31-MAY-2001.
XX
PF   05-JUL-2000; 2000WO-US035724.
XX
PR   09-JUL-1999;   99US-00350325.
XX
PA   (TRIM-) TRIMERIS INC.
XX
PI   Ding S,  Kang M,  Venetta TM;
XX
DR   WPI; 2001-488470/53.
XX
```

PT Composition for sustained delivery of e.g. a polypeptide including T20 or
PT T1249 comprises a polymer which forms a hydrogel at physiological
PT temperature and is useful for treating HIV infections.
XX
PS Disclosure; Page 13; 37pp; English.
XX
CC The invention relates to a composition comprising a polymer that forms a
CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
CC derivative. Administration of the composition is designed for sustained
CC release of a peptide, especially T20 or T1249 in the treatment of HIV
CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
CC (simian immunodeficiency virus) infection. The compositions are liquid at
CC room temperature and can be administered easily but form hydrogels at
CC physiological temperature. This allows the polypeptide to be released
CC with improved pharmacokinetic properties and bioavailability with
CC increased half-life and reduced clearance rates. The present sequence is
CC a generic enhancer peptide sequence which may be used in a fusion peptide
CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
CC properties of the resultant hybrid peptide
XX
SQ Sequence 6 AA;

Query Match 66.7%; Score 26; DB 4; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXWX 8
||||||
Db 1 WXXXWX 6

RESULT 6
AAU06213
ID AAU06213 standard; peptide; 7 AA.
XX
AC AAU06213;
XX
DT 24-OCT-2001 (first entry)
XX
DE Anti-HIV enhancer peptide, generic peptide #11.
XX
KW Hiv infection; simian immunodeficiency virus; T20; T1249; AIDS;
KW Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
KW Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
KW hydrogel; enhancer peptide.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 2. .4
FT /label= OTHER
FT /note= "Other= any amino acid"
FT Misc-difference 6
FT /label= OTHER
FT /note= "Other= any amino acid"
XX
PN WO200137896-A2.
XX
PD 31-MAY-2001.
XX
PF 05-JUL-2000; 2000WO-US035724.
XX
PR 09-JUL-1999; 99US-00350325.
XX
PA (TRIM-) TRIMERIS INC.
XX
PI Ding S, Kang M, Venetta TM;
XX
DR WPI; 2001-488470/53.
XX
PT Composition for sustained delivery of e.g. a polypeptide including T20 or
PT T1249 comprises a polymer which forms a hydrogel at physiological
PT temperature and is useful for treating HIV infections.
XX
PS Disclosure; Page 13; 37pp; English.
XX
CC The invention relates to a composition comprising a polymer that forms a
CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
CC derivative. Administration of the composition is designed for sustained
CC release of a peptide, especially T20 or T1249 in the treatment of HIV
CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
CC (simian immunodeficiency virus) infection. The compositions are liquid at
CC room temperature and can be administered easily but form hydrogels at
CC physiological temperature. This allows the polypeptide to be released
CC with improved pharmacokinetic properties and bioavailability with
CC increased half-life and reduced clearance rates. The present sequence is
CC a generic enhancer peptide sequence which may be used in a fusion peptide
CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
CC properties of the resultant hybrid peptide
XX
SQ Sequence 7 AA;

Query Match 66.7%; Score 26; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXWX 8
||||||
Db 1 WXXXWX 6

RESULT 7
AAB68847
ID AAB68847 standard; peptide; 7 AA.
XX
AC AAB68847;
XX
DT 11-SEP-2003 (revised)
DT 06-AUG-2003 (revised)
DT 19-APR-2001 (first entry)
XX
DE Retrovirus gp 41 envelope protein enhancer consensus sequence #11.
XX
KW Retrovirus; gp 41; envelope protein; enhancer; antiviral; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; hybrid polypeptide;
KW coiled-coil peptide interaction; fusion-related disorder;
KW bacterial infection; viral infection.
XX
OS unidentified retrovirus.
OS Unidentified.
XX
PN WO200103723-A1.
XX
PD 18-JAN-2001.
XX
PF 10-JUL-2000; 2000WO-US018772.
XX
PR 09-JUL-1999; 99US-00350641.
XX
PA (TRIM-) TRIMERIS INC.
XX
PI Barney S, Guthrie KI, Merutka G, Anwer MK, Lambert DM;
XX
DR WPI; 2001-147136/15.
XX
PT New hybrid polypeptide, useful for preventing, treating and diagnosing
PT e.g. viral infections, comprises an enhancer peptide linked to a core
PT polypeptide.
XX
PS Claim 2; Page 116; 151pp; English.
XX
CC The present sequence is the consensus sequence of enhancer peptides which
CC may be linked to a core polypeptide to form a novel hybrid polypeptide.
CC The hybrid polypeptide exhibits enhanced pharmacokinetic properties
CC relative to those exhibited by the core polypeptide when introduced into
CC a living system. It is used to increase the in vitro or ex vivo half-life

CC of the core polypeptide. The hybrid and core polypeptides can be used for
CC modulating fusogenic events and intracellular processes involving coiled-
CC coil peptide interactions. Other uses include preventing, treating and/or
CC diagnosing disorders involving fusion events (e.g. modulation of
CC neurotransmitter exchange and sperm-egg fusion), intracellular processes
CC involving coiled-coil peptides (e.g. bacterial infections) and viral
CC infections that involve cell-cell and/or virus-cell fusion (e.g. viral
CC infections caused by human immunodeficiency virus, respiratory syncytial
CC virus, Epstein-Barr virus, hepatitis B virus, Mason-Pfizer virus and
CC polio virus). The enhancer peptide sequence increases the half-life and
CC reduces the clearance rate of therapeutic peptides, which increases their
CC efficacy and minimises the incidence and severity of adverse side
CC effects. In addition, this increases the sensitivity of the diagnostic
CC procedure in which they are used. (Updated on 06-AUG-2003 to correct OS
CC field.) (Updated on 11-SEP-2003 to standardise OS field)
XX
SQ Sequence 7 AA;

Query Match 66.7%; Score 26; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXWX 8
||||||
Db 1 WXXXWX 6

RESULT 8
AAU06208
ID AAU06208 standard; peptide; 8 AA.
XX
AC AAU06208;
XX
DT 24-OCT-2001 (first entry)
XX
DE Anti-HIV enhancer peptide, generic peptide #6.
XX
KW Hiv infection; simian immunodeficiency virus; T20; T1249; AIDS;
KW Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
KW Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
KW hydrogel; enhancer peptide.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 2. .4
FT /label= OTHER
FT /note= "Other= any amino acid"
FT Misc-difference 6
FT /label= OTHER
FT /note= "Other= any amino acid"
FT Misc-difference 8
FT /label= OTHER
FT /note= "Other= any amino acid"
XX
PN WO200137896-A2.
XX
PD 31-MAY-2001.
XX
PF 05-JUL-2000; 2000WO-US035724.
XX
PR 09-JUL-1999; 99US-00350325.
XX
PA (TRIM-) TRIMERIS INC.
XX
PI Ding S, Kang M, Venetta TM;
XX
DR WPI; 2001-488470/53.
XX
PT Composition for sustained delivery of e.g. a polypeptide including T20 or
PT T1249 comprises a polymer which forms a hydrogel at physiological
PT temperature and is useful for treating HIV infections.
XX
PS Disclosure; Page 12; 37pp; English.
XX
CC The invention relates to a composition comprising a polymer that forms a
CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
CC derivative. Administration of the composition is designed for sustained
CC release of a peptide, especially T20 or T1249 in the treatment of HIV
CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
CC (simian immunodeficiency virus) infection. The compositions are liquid at
CC room temperature and can be administered easily but form hydrogels at
CC physiological temperature. This allows the polypeptide to be released
CC with improved pharmacokinetic properties and bioavailability with
CC increased half-life and reduced clearance rates. The present sequence is
CC a generic enhancer peptide sequence which may be used in a fusion peptide
CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
CC properties of the resultant hybrid peptide
XX
SQ Sequence 8 AA;

Query Match 66.7%; Score 26; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 WXXXWX 8
||||||
Db 1 WXXXWX 6

RESULT 9
AAB68843
ID AAB68843 standard; peptide; 8 AA.
XX
AC AAB68843;
XX
DT 11-SEP-2003 (revised)
DT 06-AUG-2003 (revised)
DT 19-APR-2001 (first entry)
XX
DE Retrovirus gp 41 envelope protein enhancer consensus sequence #6.
XX
KW Retrovirus; gp 41; envelope protein; enhancer; antiviral; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; hybrid polypeptide;
KW coiled-coil peptide interaction; fusion-related disorder;
KW bacterial infection; viral infection.
XX
OS unidentified retrovirus.
OS Unidentified.
XX
PN WO200103723-A1.
XX
PD 18-JAN-2001.
XX
PF 10-JUL-2000; 2000WO-US018772.
XX
PR 09-JUL-1999; 99US-00350641.
XX
PA (TRIM-) TRIMERIS INC.
XX
PI Barney S, Guthrie KI, Merutka G, Anwer MK, Lambert DM;
XX
DR WPI; 2001-147136/15.
XX
PT New hybrid polypeptide, useful for preventing, treating and diagnosing
PT e.g. viral infections, comprises an enhancer peptide linked to a core
PT polypeptide.
XX
PS Claim 2; Page 116; 151pp; English.
XX
CC The present sequence is the consensus sequence of enhancer peptides which
CC may be linked to a core polypeptide to form a novel hybrid polypeptide.
CC The hybrid polypeptide exhibits enhanced pharmacokinetic properties
CC relative to those exhibited by the core polypeptide when introduced into
CC a living system. It is used to increase the in vitro or ex vivo half-life
CC of the core polypeptide. The hybrid and core polypeptides can be used for